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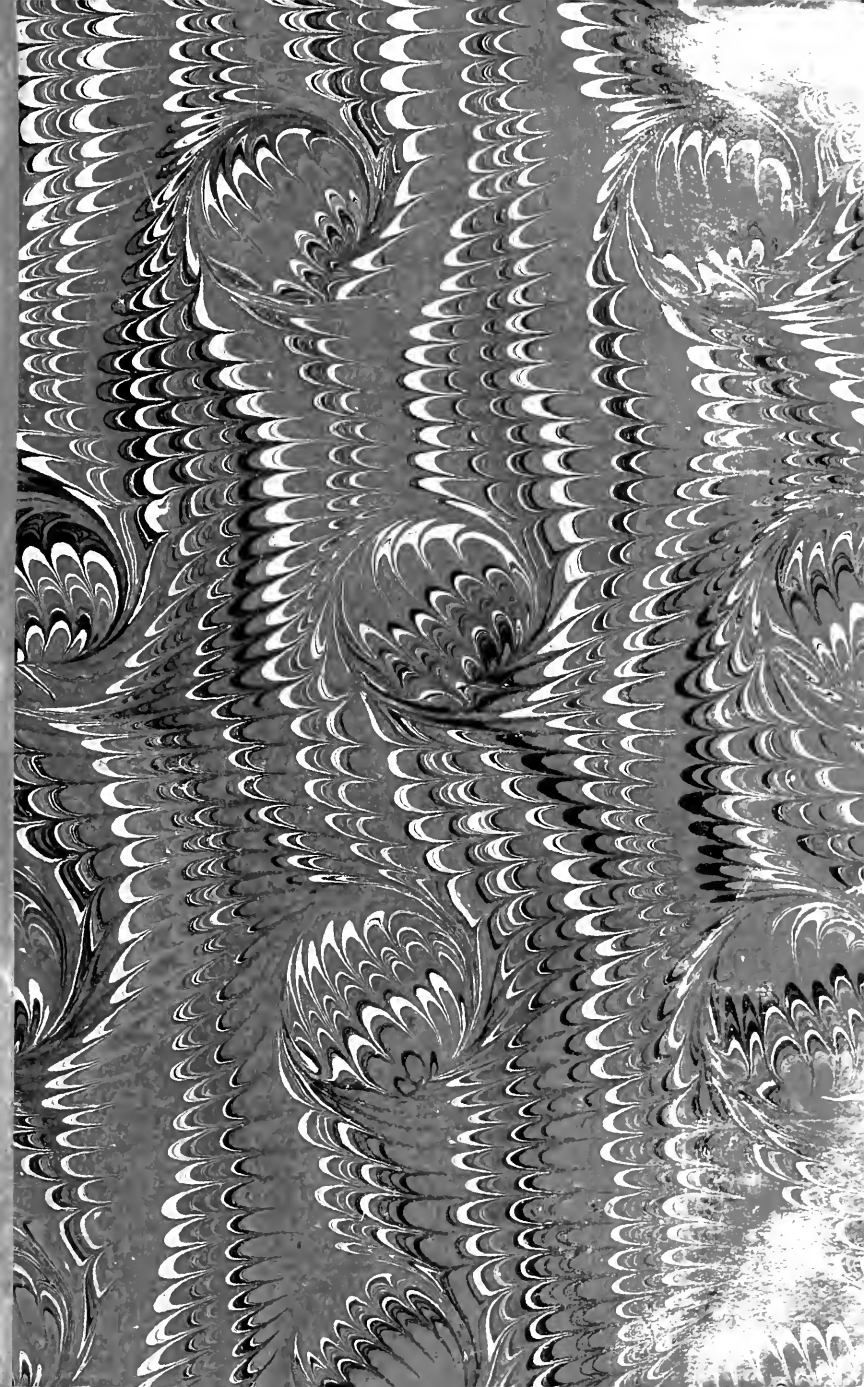
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THE  
AMERICAN CYCLOPÆDIA.

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A  
GENERAL AND ANALYTICAL  
INDEX

TO THE  
AMERICAN CYCLOPÆDIA.

BY  
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ASSISTED BY HIS DAUGHTER,  
BLANDINA CONANT.

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## TO THE READER.

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THE Index should be first consulted when information is sought on any subject. The inquirer will thus find whether what he seeks is contained in some leading article, or in several scattered through different volumes, or is incidentally given in connection with another subject.

The plan of the Index is as follows :

All names of persons or objects in connection with which any information is given, and would naturally be sought in that connection, are entered alphabetically, the titles of leading articles being distinguished by SMALL CAPITALS, and other entries by *italics*.

Of articles of much length the leading divisions are entered, to facilitate reference.

When there are two or more names, or more than one mode of spelling the name, of the same person or object, each is entered in its alphabetical order.

All pictorial representations of objects described are entered by name in their proper connection, with the abbreviation (ill.) or (view) annexed. They are also entered separately, where this is deemed necessary or convenient for ready reference.

In the references to the Cyclopædia, the first numeral (Roman) refers to the volume, the second and third (Arabic) respectively to the page and column, and the letters, a, b, c, to the first, second, or third part of the column. E. g.: "*Cotton-wood*, tree, XIII. 711, 2 c (ill.)," means that what is said of it may be found, with an illustration, in the 13th volume, page 711, lower third of the 2d column.

The space at or near the meeting of two divisions is denoted by two letters combined (ab, or bc), and a special reference to two or more by the separate letters : as, "*Myrtus communis* (botany), XII. 112, 1 bc (ill.) ;" "*Sheikh* [shaik], Bedouin chief, II. 450, 2 b, c ;" "*Pomfret*, *countess dowager of*, contributions to the Arundelian marbles, I. 798, 2 a, b, c."\*

When, in a series of entries from different articles under one title, the number of the volume is omitted, the reference is to the one last given.

\* In the multitude of such references there may be some few errors. The reader will please look for the reference in the other column, or another part of the column, if not found in the one given.

The pronunciation of foreign proper names, and of other words which seem to require it, has been added in brackets by Mr. Francis A. Teall, whose system of notation is subjoined. The work has passed through the press under his supervision ; and to his familiarity with the contents of the Cyclopædia, his ready memory, and excellent judgment, it is greatly indebted for its accuracy and completeness.

The Index has also to some extent been made a supplement to the Cyclopædia by additional information parenthetically inserted. Thus, where a person noticed in it has died since its close, the year of his death is generally noted. Where one has attained to higher office, or met with any great change of fortune, that fact is usually indicated. In many instances persons of some prominence are only incidentally mentioned in the Cyclopædia, in connection with the topics with which their names are associated. Generally, where biographical notices of such persons could be found, the briefest possible statement of the leading facts has been inserted ; often the dates of birth and death alone are given, where nothing more appeared to be essential.

Occasionally a discrepancy will be observed between an entry in the Index and the place referred to in the Cyclopædia. In such case the former is to be understood as a correction. The innumerable causes and sources of error, familiar to all who have had to do with so immense an undertaking as the construction of a cyclopædia, make it impossible that some should not escape detection in its progress. They will generally be found trifling in form, though sometimes large in effect, such as the accidental change of a single letter converting one word into another.

The collating from different articles of passages relating to the same topic has in a few instances prominently disclosed another source of discrepancies which, unexplained, have the appearance of errors resulting from carelessness. In the article on engraving a celebrated German artist is mentioned as Christian Friedrich von Müller, who in the special article upon his father (Johann Gotthard) and himself is called Johann Friedrich Wilhelm. In seeking an explanation of this, it was found that precisely the same difference exists in the corresponding articles of Meyer's *Konversations-Lexikon*, of later date than the Cyclopædia articles ; while in Pierer's *Universal-Lexikon* he is called "Christian (Joh.) Friedrich Wilhelm." Again, in the article on Agra, it is said that the Taj Mahal was built by Shah Jehan as a mausoleum for himself and his wife Noor Mahal ; while in that on India Nourmahal (the same name in another form) appears as the wife of his father Jehanghir. A search showed that the large universal gazetteers, which the writer of the former article naturally followed, contain the statement there given ; but the writer on India followed more accurate historical authorities. In the Index, under *Noor Mahal*, the true version is succinctly given.

## KEY TO PRONUNCIATION.

1. *ā, ē, ī, ō, ū, ǣ, ǝ, ǐ, ǒ, ǔ*—the ordinary English long and short sounds of the vowels, as in *mate, mete, mife, mote, mute, bat, bet, bit, bot, but*. Most of these marks are sparingly used, as in general the position of the vowel sufficiently indicates its proper sound.

2. *â*—Italian *a*, as in *far, father*, but frequently shorter.

3. *ö*—German *ö*, occurring also in Hungarian, Swedish, and Danish (*ø*). It represents the diphthong *oe*, and its sound has no equivalent in English. It is an intimate blending of the sounds of *ä* in *mate* or *ē* in *met* and *ū* in *but*. Its long and short sounds may be approximately represented thus, the small letter in each case indicating the subordinate element: *g'ūh'-teh*, Goethe; *tëp'-lits*, Töplitz (with which the form Teplitz is interchangeable). The French and Dutch *eu* approaches the sound of *ö*, but is very nearly represented by *ū* or *ūh*.

4. *oo*—representing the *u* of most other languages, the French *ou*, the Dutch *oe*, and the Portuguese and Swedish *o* final—is most commonly short, as in *book*; but in certain positions, easily determined by the ear, as at the end of an accented syllable, it is long, as in *woo*.

5. *ow*—representing *au* in other languages (except French), *ou* in Dutch, *ao* in Portuguese, and approximately *ao* in Spanish and *aou* in French—is pronounced like *ow* in *cow* and *ou* in *out*.

6. *ü*—German and Hungarian *ü*, French *u*, and Danish and Swedish *y*. These are usually so nearly alike in sound that they are represented by the same character; there is no corresponding sound in English. The German *ü* stands for the diphthong *ue* (formerly *ui*), and its pronunciation is a close union of the sounds of *ū* in *mute* and *ī* in *bit* or *ē* in *mete*; thus: *müſſ'-ler*, Müller; *büë'-lo*, Bälów. It sometimes runs almost wholly into the second element (*ī* or *ē*). The French *u*, however, invariably approaches the sound indicated in the first example; but it is more simple, and may perhaps be said to consist of the first part of the diphthongal sound of the English *ū*, as in *mute*—that is, with the sound stopped before the full enunciation of the final *oo* element of that letter.

7. *â<sup>ne</sup>, ä<sup>ne</sup>, ö<sup>ne</sup>, ü<sup>ne</sup>, &c.*—French and Portuguese nasal vowels. The <sup>ne</sup> is small to indicate that it represents no actual sound, but simply the mode of uttering the vowel. This may be illustrated by pronouncing *bang, song, rung* without touching the soft palate with the upper part of the tongue, thus producing the nasal effect without the distinct sound of *ng*.

8. *ch*—representing the Spanish *ch*, German *tsch*, Hungarian *cs*, the *cz* of some Slavic languages, the Italian *c* before *e* and *i*, &c.—sounds like *ch* in *church*.

9. *h, h<sup>c</sup>*—German guttural *ch*, Spanish *j* and *g* (before *e* or *i*), and (sometimes) *x*, &c. This sound consists in the pronunciation of *h* in the throat (the organs being nearly closed) as a true consonant rather than as a mere breathing. The roughening or rasping effect thereby produced is indicated by the small <sup>c</sup> and <sup>k</sup>, the former after *ā, e, i, ō, ū, äu, eu, l, &c.* (where the sound approaches that of *sh*, but must be carefully distinguished from it by keeping the lower part of the tongue depressed), the latter in an initial syllable or after *a, o, u, au*. In German *g* final is also guttural, but in *burg* and some similar terminal syllables it has been deemed preferable to leave it unmarked.

10. *gh*.—The *h* is added to show that the *g* is hard, as in *get*. In certain cases *h* is omitted, but when used in pronunciation *g* is always hard.

11. *ly, ny, py, &c.*—In these combinations the two letters are to be sounded together in one breath, like *li* in *folio*, *ni* in *union*, &c.

12. *th*—the sharp sound of *th*, as in *thin*, representing the Spanish *c* before *e* or *i*, *z*, &c. (In Spanish America *c* and *z* generally have the sound of sharp *s*.)

13. *th*—the flat sound of *th*, as in *this*, representing the Spanish *d, &c.*

14. *y'*—the liquid element in many French and Hungarian terminal syllables, constituting an indistinct, vanishing sound of *y*, in combination with that of the preceding vowel or consonant.

15. Titles of which the pronunciation is not given are to be pronounced either according

to the marking of a preceding title of the same or similar form, or to the most obvious English analogy.

ACCENTUATION.—Only the primary syllabic accent of words is marked, as, where a secondary accent is required, the ear is nearly always a sufficient guide to its proper position when the former is known. Sometimes the pronunciation of Greek and Latin names and technological terms is indicated by an accent alone. It may be well to remark that in these every vowel or diphthong makes a separate syllable; as *Hyllob'ates* (li-lob'-a-teez). In French words and names no accentuation is indicated, since in that language it is not determinate, but depends upon the exigencies of utterance. Thus a word of several syllables, when making part of a sentence, may, under differing circumstances, have each syllable alternately accentuated, or possibly none of them, each being spoken with equal force, and the whole stress of the sentence placed upon the culminating word. When spoken singly, however, or in connection with another language, some accent is inevitable; and this usually falls upon the last syllable when it ends in a consonantal or a strong vowel sound, and is preceded by syllables ending in similar or weaker sounds. In other cases euphony generally requires that the accent shall be placed at one or two (rarely if ever more) removes from the end. But on whichever syllable it falls, all the others must be distinctly (however rapidly) enunciated, the slurring of unemphatic syllables, common in English and other languages of strong accent, being inadmissible in French.

DIVISION INTO SYLLABLES.—In respelling words for pronunciation, deviations from the rules of division in foreign languages have frequently been rendered necessary by the requirements of English analogy.



## GENERAL INDEX

TO

# THE AMERICAN CYCLOPÆDIA.

### A

Α, a letter, I. 1. Sounds of, I. b. Cicero's dislike of, *ib.* As a numeral, *ib.* Dominical letter, 1 c. In logic, *ib.* In ancient inscriptions, *ib.* On medals and coins, *ib.* In medical prescriptions, 2 a. On bills of exchange, *ib.* Chemical abbreviation, *ib.* In the musical scale, *ib.*

ΑΑ [á], name of several rivers, I. 1.

*Aahmes* I. (or Amasis), Egyptian king, I. 386, 2 c.

AACHEN [á'-hen]: see AIX-LA-CHAPELLE, I. 223. Aachen-Munich fire insurance company, *ib.*; savings bank, *ib.*

AALBORG [awl'-borg], seaport, I. 1.

AALEN [á'-len], town, I. 2.

AALI PASHA [á'-le pá-shá'], Turkish statesman, I. 2.

AALST [álst]: see AELST.

AALTEN [ál'-ten], town, I. 2.

AAR, or Aare [ár, á'-rèh], river, I. 2.

AARAU [á'-row], town, I. 2; peace of, *ib.*

AARD-VARK [ard'-vark], animal, I. 3 (ill.).

AARD-WOLF [ard'-woolf], animal, I. 3 (ill.).

*Aare*: see AAR.

AARGAU [ar'-gow], canton, I. 3.

AARHUS [or'-hooce], seaport, I. 4.

AARON [á'-run], first Hebrew high priest, I. 4. Physician of the 7th century, and first who mentions the smallpox, *ib.*

*Aaron's rod*, a plant, XIV. 751, 2 a.

AARSENS, Frans van [ar'-sence], diplomatist, I. 4.

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AB, Hebrew month, I. 4.

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AB'ACO, Great, an island, I. 4.

AB'ACUS, in architecture, I. 5; I. 656, 1 c. Cupboard, *ib.* Templar's staff, *ib.* Calculating machine, *ib.*

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*Abadites*, Arab natives of Oman, XII. 625, 2 a.

AB'AKA KHAN, Mongol king, I. 5.

AB'ANA, river, I. 5; II. 295, 1 a; V. 651, 2 b.

ABANCOURT, Charles Xavier Joseph d' [dä-bä'-koor], minister of Louis XVI., I. 5.

ABANO, Pietro d' [dä'-bä-no], philosopher, I. 5.

ABAR'DANEL: see ABRAVANEL.

ABAR'CA, Joaquin, Spanish bishop, I. 5.

ABARIM', mountain, I. 5.

ABASCAL', José Fernando, Spanish statesman, I. 5.

*Abas'inum*, Roman town, I. 20, 2 a (ABENSBERG).

*Abate'ment*, in law: see DISSEISIN. Abatement of a legacy, X. 317, 1 a.

*Abattoir* [ab-a-twär'], for the New York market, IX. 611, 1 c.

ABAUZIT, Firmin [ä-bo-zé], theologian, I. 6.

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- Abba Salama* (Andraos), bishop of Abyssinia, I. 48, 2 b.
- ABBAS' BEN ABD-EL-MOT'TALIB, uncle of Mohammed, I. 6. See ABNASSIDES.
- ABBAS MIRZA [meer'-za], Persian prince and warrior, I. 6.
- ABBAS PASHA [pá-shá'], viceroy of Egypt, I. 7; VI. 767, 1 b.
- ABBASSIDES [ab'-bas-sids], caliphs of the third Mohammedan dynasty, I. 7. Its founder, *ib.* Its last caliph, 1 c.
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- Abbaye aux hommes* [ä-bä o züm], church, now church of St. Étienne, III. 539, 2 c.
- Abbaye aux femmes* [o fäm], church, now church of Saint Trinité, III. 539, 2 c.
- Abbayes des savants* [ä-bä dä sä-vá'ne], sinecures for scholars, &c., I. 7, 2 c.
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- ABBOT, Charles, Lord Colchester, I. 9.
- ABBOT, George, archbishop, I. 9.
- ABBOT, Gorham Dummer, LL. D., teacher and author, I. 9. (Died 1874.)
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- Abbot Joachim*, religious enthusiast, alluded to, II. 478, 2 b.
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Abel', tree, XIII. 712, 2 b (ill.).

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*Abolla*: see AVOLA.

*Abomasum*, digestive cavity of ruminant animals, XIV. 767, 2 c.

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*Abstinence*, religious, distinguished from fast-  
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*Abstrich* [âp'-stri'h], in smelting, X. 260, 1 c.

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*Abul Abbas as-Saffeh* [â'-bool ab-bâs' âs-sâf'-  
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*Abulafia*, *Abraham ben Samuel*, Spanish rabbi,  
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*Abul Fazl*, vizier and writer, I. 226, 1 a.

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*Abuna salamah* [â-boo'-na sâ-lâ-mâ'], title of  
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*Abu Seid of Seraj* [sâ-eed'], hero of the Maka-  
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*Acanthoceph'ala*, hooked worms, VI. 668, 1 a.

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*Accip'iter* (ornithology), VIII. 530. A. nisus, XV. 231, 1 a.

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*Accolade* [ak-ko-lad'], ceremony in conferring knighthood, IV. 496, 2 ab.

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*Acc*, in playing cards, III. 783, 2 c.

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*Acceph'alous firtus*, XI. 765, 1 b.

*Accephalous mollusks*, eyes of, VII. 48, 1 c.

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*Achæmen'idæ*, Persian dynasty, I. 63, 1 c; XIII. 144, 2 a.

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- Achilles**, iron-clad ship, IX. 383, 1 a; 386, 1 c (ill.).
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- Achmetha** [ak'-me-tha or ak-mē'-tha], a Median royal residence (Ezra vi. 2), VI. 383, 1 b.
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- Acid process**, in tanning, X. 274, 1 b.
- Acidim'etry**, I. 322, 1 c (**ALKALIMETRY**).
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- ACILIUS GLA'BRIUS**, Manius, Roman general and consul, I. 66.
- Acin'aces**, ancient weapons, I. 734, 2 b.
- Acī'ni**, in the tissue of the liver, X. 537, 1 b (ill.).
- Acipen'ser** (ichthyology), XV. 431, 2 b. *A. sturio*, *ib.* (ill.); *A. oxyrhynchus*, 432, 1 b; and other species.
- ACI REALE** [ā'-che rā-ā'-lā], seaport, I. 66.
- Acis**, mythical, I. 66. A river, *ib.*
- ACK'ERMANN**, Konrad Ernst, comedian, I. 66. Sophie Charlotte, 2 c. Dorothea, *ib.* Charlotte, *ib.*
- AC'LAND**, John Dyke, British major, I. 66. Lady Harriet, 67, 1 a. Henry Wentworth, M. D., 67, 1 b.
- ACLIN'ic LINE**, magnetic equator, I. 67 (ill.).
- ACÆ'METÆ**, a fanatic order of monks, I. 67; discountenanced by church fathers and councils, XI. 729, 1 b (**MONACHISM**).
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- Aconella**, alkaloid, I. 68, 2 a.
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- Aceris** (zoölogy), XV. 854, 2 c. *A. gryllus*, Savannah cricket, 855, 1 a.
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*Act'ia*, festival, XII. 436, 2 b.

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*ACTIN'IA*, marine animals, I. 74. A. *Jordaica*, 75, 2 a. Fringed actinia, *ib.* (ills., 74).

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*Ac'tINISM*, property of the solar rays, I. 75; ill., 76.

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*Actin'ophrys*, animalcule, I. 515, 2 b.

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*ADAIR*, Sir Robert, diplomatist, I. 79.

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*ADALBERT*, Heinrich Wilhelm, prince, I. 80.

*ADALIA*, or *Sattalich* [â-dâ'-le-a, sât-tâ'-le-çh], seaport, I. 80.

*ADAM*, the first man, I. 80.

*ADAM*, Adolphe Charles [â-dâ'\*,] composer, I. 80.

*ADAM*, Albrecht, painter, I. 80.

*ADAM*, Alexander, teacher and grammarian, I. 81.

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*AD'AMITES*, fanatical sect, I. 81; XV. 140, 1 ab.

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- Ad'ar, cervine antelope, I. 545, 2 b. A. nasomaculatus (ill.), *ib.*
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- Ad'der, European viper, XVI. 367, 2 c. Puff adder, 368, 2 ab.
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*Aquæ Sertiæ*, I. 223, 2 ab (AIX). Battle of, 384, 2 b; IV. 583, 1 a. •

*Aquæ So'lis*, II. 388, 1 a (BATH).

*Aquæ Statiæ'væ*, I. 72, 2 b (ACQUI).

*Aqua fortis* (chemistry), XII. 464, 2 bc.

*Aquamarine* [ak-wa-ma-reen'], I. 608, 2 a; II. 588, 1 b (*bis*).

*Aqua regia* (chemistry), VIII. 72, 1 ab; IX. 109, 2 b. Origin of the name (alchemic), XII. 468, 1 b.

AQUA'RIANS, or Hydroparastatæ, sect of ascetics, I. 609.

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*Aquarius*, constellation: see GANYMEDE.

*Aquatint engraving*, VI. 653, 1 bc.

AQUA TOFANA [â'-kwa to-fâ-na], poison, I. 608. Alluded to, III. 290, 2 a.

*Aqua vite*: see AQUA.

*Aquavivarium*: see AQUARIUM.

AQUEDUCT [ak'-we-dukt], I. 611. Aqueduct of Carthage, 2 b; ruins of (ill.), *ib.* Aqua Claudia, 612, 1 c; ruins of (ill.), *ib.* Aque-

duct of Antioch, 2 c; ruins of (ill.), 613. Aqueduct of Nîmes, 1 b (ill.). Croton aqueduct, 613, 2 bc (ills.). Cochituate aqueduct, 615, 1 b (ill.). Trajan's, XIV. 753, 1 c.

*A'queous humor*: see EYE, VII. 46, 1 c.

*Aqueous vapor, the*: see METEOROLOGY, XI. 440, 2 b; ill., 441.

*Aquid'neck*, island, XIV. 291, 2 a; IV. 796, 2 b, c.

AQUILA [â'-kwe-la], fortified city, I. 616.

AQUILA, Kaspar, reformer, I. 616.

*Aquila* (ornithology), VI. 347, 1 c. A. chrysaetos, *ib.* (ill.). A. Canadensis, 2 c. A. nœvia, 348, 1 c.

*Aquila'ria* (botany), species of, VI. 351, 1 ab. A. agallochum, *ib.*, and I. 347, 1 bc.

AQUILEIA [â'-kwe-lâ'-ya], village of the Austrian Coastland, I. 616. Patriarchate of, 1 c.

AQUIN'AS, Thomas, I. 616; XIII. 440, 1 b; XI. 811, 1 a. On the eucharist, X. 640, 1 ab.

On miracles, XI. 625, 1 b. Alleged agreement with modern evolutionists, VII. 10, 1 c.

*Aquin'cum*, supposed site of, III. 392, 1 c.

*Aquisgra'num*, I. 224, 1 b (AIX-LA-CHAPELLE).

*Aquitaine* [â'-ke-tain]: see AQUITANIA.

AQUITA'NIA, a division of ancient Gaul, I. 616.

*Aquitania Tertia*: see GASCONY.

AR., abbreviation, XII. 535, 2 b.

AR'a (ornithology), species of, X. 770, 2 c. A. ararauna, 771, 2 a (ill.).

ARABELLA STUART (the lady Arabella): see STUART, Arabella.

ARABESQUE [âr'-a-besk], I. 617 (ills.); 661, 2 c. *Arabgheer*: see ARABGIR.

ARABGIR [âr-râb-gheer'], Arabgheer, or Arabkir, town of Asia Minor, I. 617.

ARA'BIA, I. 617. Boundaries, 2 a. Ancient divisions, 2 b; modern do., *ib.* Sinaitic peninsula, *ib.*; Hedjaz, *ib.*; Yemen, 2 c; Hadramaut, 618, 1 ab; Oman, 1 b; El-Hasa or Ahsa, 1 c; hot springs, *ib.*; Nedjed, 2 a; Shomer, 2 b; Esh-Shehr or Mahra, 2 c; El-Yamamah, *ib.* Diseases, 619, 1 ab. Physical features, 1 b; geological formation, 2 b; flora, *ib.*; agriculture, 2 bc; fauna, 2 c. Commerce, 620, 1 b. Population, 1 bc; religion, 2 b. Early history, 2 b; Nabathæan Arabs or Ishmaelites, 621, 2 a; since the introduction of Mohammedanism, 2 c. See ASIA, and AFRICA, map of, I. 164-75.

*Arabian Nights*, tales, I. 624, 1 a.

*Arabia Philadelphensis*, XIII. 389, 1 a.

*Ar'abic acid* (vegetable), VIII. 320, 1 b.

*Arabic article*, definite, I. 227, 2 ab.

*Arabic numerals*, I. 622, 1 a; 625, 1 c.

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Extent of Arabic literature, 623, 1 c (also 626, 1 b). Poetry, 2 b; prose, 2 c; theology and law, 624, 1 b; Mohammedan sects, 1 bc; history, 2 b; biography, 625, 1 b; philosophy, *ib.*; mathematics, 1 c (see ALGEBRA, and MATHEMATICS, XI. 277, 1 c); medicine, 2 ab; chemistry, 2 b; botany, *ib.*; geography, 2 bc; lost works, 1 c. First patronized by the caliphs, I. 343, 1 a.

ARAB'ICI, or Arabians, Christian sect, I. 626.

*Arabine* [är'-a-bin]: see GUM, VIII. 321, 1 c.

*Arabkir* [ä-râb-keer']: see ARABGIR.

*Arabs*, their chemical knowledge: see CHEMISTRY, IV. 357, 2 b. Their knowledge of mathematics: see ALGEBRA, and MATHEMATICS, XI. 277, 1 c. Third siege of Constantinople by them, X. 350, 2 ab. Their mental characteristics, XIV. 761, 1 b. Arabs of Tunis, characteristics of, XVI. 31, 1 ab.

ARACAN', or Arracan, province, I. 626. Town, 2 b.

*Aracaris* (ornithology), XV. 820, 1 c.

ARACATI [ä-ra-kä'-te], port of Brazil, I. 626. River, 2 bc.

*Arachis hypogæa* [är'-a-kis hi-po-jé'-a], (botany), XIII. 210, 1 b (ill.).

ARACHNE [a-rak'-ne], mythical, I. 626.

ARACH'NIDA (zoölogy), I. 626. Pulmonaria, 627, 1 b. Trachearia, 1 b and c, 2 a. See SPIDER.

*Arachnides* [a-rak'-ne-deez], (botany), I. 218, 2 b.

*Arachnids*: see ARACHNIDA.

*Arachnoid* (of the brain), III. 188, 1 c; I. 462, 1 c.

ARAD [or'-od], town of Hungary, I. 627.

*A'rad* (botany), X. 266, 2 c.

AR'ADES, islet, I. 627.

ARAFAT', or Orphat, Arabia, I. 627. Mohammedan ceremonies connected with it, 2 c.

*Arafura sea* [ä-ra-foo'-ra], II. 129, 1 a.

ARAGO, Dominique François [ä-rä'-go], physicist and statesman, I. 628; on polarized light, X. 448, 2 bc; V. 96, 2 b. Jean, I. 628, 2 b. Jacques Étienne Victor, 2 c. Étienne, *ib.* Emmanuel, 629, 1 b; III. 53, 1 b.

AR'AGON [Sp. ä-ra-goan'], kingdom and captaincy general, I. 629. Independent jurisdiction of, extinguished: see PEREZ, XIII. 287, 2 c.

ARAGONA [ä-ra-go'-na], town of Sicily, I. 630.

*Arag'onite*: see CRYSTALLOGRAPHY, V. 540, 2 a.

*Araguato* [ä-ra-gwä'-to], (zoölogy), XI. 750, 2 c.

ARAGUAY, or Araguaya [ä-ra-gwä', -gwä'-ya], river, I. 630.

*Araguaya*: see ARAGUAY.

*Araïne* [ä-ra-i'-ne], (ornithology), X. 770, 2 b.

*Ara Jovis*: see ARANJUEZ.

ARAKTCHYEYEFF, Alexei, count [ä-rak-chä'-yef'], I. 630. Allusion to, 283, 1 c, 2 a.

AR'AL, Sea of, I. 631.

*Ara'lia* (botany), VII. 816, 1 a. *A. quinquefolia* (ill.), *ib.* *A. nudicaulis*, XIV. 635, 2 c. *A. papyrifera*, XIV. 311, 1 ab. *A. racemosa*, XV. 267, 2 b.

AR'AM, a region of Asia, I. 631. See MESOPOTAMIA, and SYRIA, XV. 546, 1 c.

ARAM, Eugene, I. 631. Hood's ballad, "The Dream of Eugene Aram," and Bulwer's romance, "Eugene Aram," 632, 1 b.

*Aramæic language*, I. 631, 2 a.

*Ara'mus* (ornithology), V. 427, 2 c. *A. giganteus*, *ib.* *A. scolopaceus*, 428, 1 b (ill.).

ARAN'DA, Pedro Pablo Abarea y Bolea, count of, Spanish statesman, I. 632.

ARANJUEZ [ä-rän'-hwaith'], town of Spain, I. 632.

ARANY, János [or'-öny'], Hungarian poet, I. 632.

*Äranyaka*, Hindoo religious work, IX. 222, 2 b; 227, 1 c.

ARAP'AHOE, county, I. 632.

ARAPAOSES, Indian tribe, I. 632.

*Arapiles* [ä-ra-pé'-lace], hero of the, IV. 647, 1 a.

*Arapon'ga*, bird, XVI. 109, 2 c.

*A'rär*: see SAÖNE.

AR'ARAT, mountain of Asia, I. 633 (ill.).

ARARAT, or Pilot Mountain, I. 633.

ARAS [ä-räs']: see ARAXES.

*Arateia* [är-a-té'-ya], festival games, I. 634, 1 ab.

ARAT'US, Greek poet, I. 633. Greek general and statesman, 1 c. See ACILEAN LEAGUE, 62, 2 b.

*Araucana, La* [lä ä-row-kä'-na], Spanish epic, VI. 705, 1 c.

ARAUCA'NIANS, Indian nation, I. 634.

ARAU'CO [ä-row'-ko], province, I. 635.

*Arausio*: see ORANGE, XII. 666, 1 c.

ARAX'ES, river, I. 635.

ARBA'CES, founder of the Median empire, I. 635.

AR'BALAST, or Crossbow: see ARCHERY, I. 649, 1 b (ill.).

ARBE'LA, village, I. 635. Battle of, 2 a; 276, 2 bc; IV. 142, 1 a.

ARBITER [ar'-be-ter], Roman umpire, I. 635.

**ARBITRA'TION**, I. 635. How different from a reference, 2 b. General rule in respect to the former, 2 c. Who are competent to be parties to it, 636, 1 b. State statutes respecting it, 2 ab. Effect of a submission to arbitration, and of its award, 637, 1 ab. Power of arbitrators, *ib.* Statute of Pennsylvania, 1 c. In England, councils of conciliation and arbitration, 2 a. In France, courts of *prudhommes*, *ib.*—Arbitration for settling international disputes, X. 229, 1 b. In the case of the Alabama claims, *ib.*, and VIII. 160, 1 c; in that and other cases under the treaty of Washington, XVI. 187, 2 b, ff.

*Arbitration clause*, in articles of association, I. 635, 2 c.

**ARBLAY**, Madame d' [dar'-blā], (Frances Burney), English novelist, I. 637.

**AR'BOGAST** (Arbogastes), I. 638. See **AMBROSE**, I. 385, 1 c.

**ARBOIS** [ar-bwā], town, I. 638.

**Arbor**, of wheel, XVI. 591, 1 b. In the machinery of a clock or watch, IV. 699, 2 c.

**AR'BOR VITÆ**, tree, I. 638 (ill.).

**Arbor vitæ**, of the cerebellum, III. 190, 1 a.

**ARBRISSEL**, Robert of, founder of the order of Fontevrault, I. 638.

**AR'BROATH**, Aberbrothwick [ab-er-broth'-ik], or Aberbroth'ock, municipal burgh, I. 638.

**AR'BUTHNOT**, John, physician and writer, I. 638.

**Arbuthnot**, British subject, tried and executed by order of Andrew Jackson, IX. 491, 1 c.

**ARBU'TUS** (botany), I. 639. A. unedo, strawberry tree, 2 a (ill.). Trailing arbutus, 2 c (ill., 640).

**ARC**, portion of a curved line, I. 640.

**Arc on the earth's surface**, measurement of: see **EARTH**, VI. 355, 1 ab; **DEGREE**, V. 764, 2 c. Used by Eratosthenes to ascertain the size of the earth, V. 765, 1 a. Monument marking the commencement of great European arc, VIII. 427, 2 a.

**ARC**, Joan of: see **JOAN OF ARC**.

**ARCACHON** [ar-kā-shō<sup>ns</sup>], village, I. 640.

**ARCA'DIA**, in Greece, I. 640.

**Arcadian stag**, capture of the, VIII. 679, 1 c.

**ARCADIUS**, emperor, I. 641.

**Ar'canite**: see **POTASSIUM**, XIII. 761, 1 c.

**Arca'num**, celebrated villa, I. 763, 1 c (ARPINO).

**Arcanum tarta're**: see **POTASSIUM**, XIII. 763, 2 a.

**Arcella**: see **PROTOZOA**, XIV. 36, 2 ab.

**Arcelli'na**, animalcules, I. 515, 1 b.

**ARCESILAUS** [ar-ses-e-lā'-us], philosopher, I. 641.

**Arceutho'bium** (botany), XI. 676, 1 c. A. oxycedri, *ib.* A. campylopodium, 2 a.

**ARCH**, I. 641. Etruscan, 2 a; Roman, *ib.*, and 658, 2 bc; triumphal, 642, 1 a; pointed, 662, 1 b, 2 a; lancet, 663, 2 b; decorated Gothic (ill.), 665. Arch of Trajan at Ancona, 469, 1 a (ill.). Arch of Titus at Rome, XIV. 412, 2 a (ill.). Arch of Constantine, 2 c (ill.).

**Archæanac'tidæ**, Cimmerian dynasty, III. 113, 1 c.

**ARCHÆOLOGY** [ar-ke-ol'-o-je], I. 642. Three-fold division of the primeval period of man, 1 c. Stone age, *ib.*; cave period, 2 b; human skeletons, 643, 1 b. Polished-stone or neolithic age, 1 bc. Shell mounds in Denmark, 1 c; in the United States, 2 a. Lake dwellings of Switzerland, 2 b; burial mounds, *ib.*; domestic animals found in them, *ib.*; occupations of man, 2 bc; two human races, *ib.* Bronze age, 2 c, and 644, 2 b; advance in civilization, 1 a; transition period, 1 b; iron age, *ib.*, and 2 b; historic age, *ib.* Lartet's two prehistoric ages, 1 c. Synchronism of different ages, 2 bc.

**ARCHÆOPTERYX** (ornithology), I. 645 (ill.). Tail in A. macrurns, 1 c.

**Archæus**, a spiritual essence, VIII. 624, 2 c; XIII. 484, 2 a.

**ARCHANGEL** [ark-ain'-jel], a government of Russia, I. 645. Capital, 2 b.

**ARCHBISH'OP**, I. 646. First formal sanction of, 1 ab; suffragans, 1 b.

**Archconfraternity of the Immaculate Heart of Mary**, XI. 218, 1 b.

**ARCHDEA'CON**, ecclesiastical dignitary, I. 646.

**Archdevs**, in Persian demonology, V. 793, 2 bc.

**ARCHDUKE'**, German title, I. 646.

**Archebi'osis** (beginnings of life): see **BASTIAN**, H. C., II. 374, 2 c; **BACTERIUM**, 208, 1 b.

**Archego'nia** (botany), VII. 151, 1 ab; X. 542, 1 c; XI. 864, 2 b.

**ARCHELAUS** [ar-ke-lā'-us], philosopher, I. 647. King of Macedon, 1 b. General, 1 c. Two kings of Comana, 2 ab. King of Cappadocia, 2 bc. Son of Herod the Great, king, 2 c. Sculptor, 648, 1 a.

**Archenceph'ala**: see **PHILOSOPHICAL ANATOMY**, XIII. 429, 1 a.

**ARCHENHOLZ**, Johann Wilhelm, baron [ar-'hen-hölts], author, I. 648.

**ARCH'ER**, county, I. 648.



*Archer, F. Scott*, collodion process discovered by, XIII. 470, 1 bc; V. 78, 1 c.

ARCHERY, I. 648. Different forms of weapons, with illustrations. Longbow, 2 bc (ill.): see 744, 2 c. Crossbow, 649, 1 b (ill.); inferior to the longbow, 744, 2 c.

ARCHES, Court of, ecclesiastical, I. 649. Dean of the, 2 c.

*Archæ*, triumphal, I. 642, 1 a-c. See ARCH (Index).

ARCHIAS, Aulus Licinius [ar'-ke-as], poet, I. 650.

ARCHIATER [ar-ke-ā'-ter], medical title, I. 650. Salaried civil officer, required to attend the poor gratuitously, 1 bc; XI. 348, 1 a.

ARCHIBALD, Adams G., statesman, I. 650.

*Archibald Bell-the-Cat*, VI. 223, 2 bc.

*Archibuteo* [ar-ke-bu'-te-o], (ornithology), III. 506, 2 b. A. lagopus, *ib.* A. Sancti Johannis, 507, 1 a (ill., 506, 2 c).

*Archidamia*: see AGIS, king of Sparta, I. 187, 2 c.

ARCHIDAMUS [ar-ke-dā'-mus], name of five kings of Sparta, I. 650. Archidamus II., 2 ab: see GREECE, VIII. 192, 1 b. Archidamus III., 2 b; referred to, I. 186, 2 c.

ARCHIL [ar'-kil], or Orchil, plant, I. 650. Discovery of, VI. 339, 1 b.

ARCHILOCHUS OF PA'ROS [ar-kil'-o-kus], poet, I. 651.

ARCHIMANDRITE [ar-ke-man'-drite], in the Greek church, I. 651. See EXARCH.

ARCHIME'DEAN SCREW, I. 651 (ills.).

ARCHIMEDES [ar-ke-mē'-deez], mathematician and mechanic, I. 651. Possibility of his alleged use of a burning glass proved, III. 471, 2 bc. Principle of Archimedes, I. 652, 1 a; demonstration of it, IX. 119, 2 b (ills.). His mechanical theories, XI. 316, 1 c and 2 c. Idea of exhaustion introduced by him into geometry, VII. 701, 1 c.

ARCHIPELAGO [ar-ke-pel'-a-go], Greek, I. 652. Indian, 2 b. See MEDITERRANEAN SEA, and INDIAN ARCHIPELAGO.

ARCHITECTURE [ar'-ke-tek-ture], I. 652. Pelasgic, 653, 1 a. Babylonian, 1 bc. Assyrian, Phœnician, Syrian, Hebrew, 1 c. Chinese and Hindoo, 2 ab. Egyptian, 2 b. Grecian, 654, 2 b. Grecian temple, 2 c; choraic monuments, 655, 1 c; agoras, gymnasia, baths, 2 a. Orders of, 2 b; Doric, *ib.*; Ionic, 657, 1 bc; Corinthian, 2 bc. Etruscan, 658, 1 c; Tuscan order, 2 a. Roman, *ib.*; Roman Corinthian, 659, 1 b; composite, 2 b; Roman Doric, 2 bc; Roman Ionic,

660, 1 b. Architecture of the middle ages, 661, 1 ab. Byzantine, introduction of, 2 a. Saracenic and Moorish, 2 bc. Old Gothic, 662, 2 a; pointed style, 663, 2 b; its primary period, *ib.*; its second, decorated or rayonnant, 664, 1 b; its third, perpendicular or flamboyant, 1 c. The renaissance or revival, 2 ab. Modern architecture, 665, 1 c; Greek revival, 2 ab; Gothic revival, *ib.*, and 666, 1 bc; néo-grecque or romantique, 1 ab; "Victorian Gothic," 1 c. (Illa.)

*Architecture, schools of*, VI. 431, 2 c.

*Architecture of Lamaic temples*, X. 117, 2 a.

*Architenuthis monachus*, mollusk, XV. 294, 2 c.

A. princeps, 295, 1 a.

*Architrave*: see ARCHITECTURE, I. 656, 2 b; Ionic, 657, 2 b; Corinthian, 2 c.

ARCHON [ar'-kon], of Athens, I. 666: see GREECE, VIII. 188, 2 c. Decennial, I. 666, 2 b; II. 54, 2 c.

*Archonts*, XI. 359, 2 bc (MEGASTHENES).

ARCHYTAS OF TAR'ENTUM [ar-kī'-tas], philosopher, I. 667.

ARCIS-SUR-AUBE [ar-sē-sūr-obe], town, I. 667.

*Arco della pace* [pā'-chā], XI. 531, 2 c (MILAN).

ARCOLE [ar-ko'-lā], village, and battle of, I. 667.

ARCOS DE LA FRONTERA [ar'-koce dā lá frone-tā'-ra], town of Spain, I. 667.

ARCOT', district of the Carnatic, I. 667. Capital town, 2 a. Capture of by the English, IV. 693, 1 ab. Siege and assault by Chunda Sahib, 1 bc.

*Aretia* [ark'-te-a], (entomology), species of, XI. 868, 1 c. A. acraea, 2 a (ill.).

ARCTIC DISCOVERY, I. 667. Map, 668. Attempts to reach the north pole and a north-west passage, 1 c. Hudson's voyages, 669, 1 b. Extreme variation of the magnetic needle observed, 2 a. Open polar sea reported, 2 bc. Expeditions in part for scientific objects, 2 c; of Ross and Lieut. Parry, of Buchan and Franklin, and of Lieuts. Parry and Liddon, 670, 1. Franklin's overland expedition, 670, 2 b, and 671, 2 b. Position of the true magnetic pole determined, 672, 1 c. Hudson Bay company's expeditions, 2 b, and 673, 1 b. Sir John Franklin's last voyage, 673, 1 c. Expeditions sent to aid him, 2 ab; from the United States, 674, 2 b. His first winter quarters found, 2 c. Discovery of his remains, and of a record of the lost expedition, 678, 1 c. Dr. Kane's expedition, 676, 2 ab; scientific results of it, 677, 1 c. Hayes's expedition, 679, 1 b; Capt.

Hall's, 2 b, 680, 2 b. German expeditions, 680, 1 a; Austrian, 1 c.

*Arctic expeditions*: see ARCTIC DISCOVERY; BARENTZ, Willem; BILLINGS, Joseph; BUCHAN, David; HAYES, Isaac Israel; KOLDEWEY, Karl; WRANGELL, Ferdinand.

*Arctic ocean*: see POLAR SEAS, XIII. 653, 1 c. *Arctocephalus Falklandicus* (zoölogy), XIV. 734, 2 b.

*Arctomecon Californicum* (botany), XIII. 715, 2 b.

*Arctomys* (zoölogy), XI. 182, 1 a. *A. marmota*, *ib.* (ill.). *A. monax*, XVI. 706, 2 bc (ill.).

*Arctos*, constellation, III. 621, 2 c.

ARCTURUS, star, I. 680; III. 86, 1 ab (BOÖTES).

ARQUEIL [ar-kühy'], village, I. 681.

*Arctus senilis*: see HEART, Diseases of the, VIII. 565, 1 c.

ARCY, Grotto of, I. 681.

*Areteria*, fungi, VII. 533, 2 a.

ARDABIL [ar-da-beel'], Ardebil, or Erdebil, town, I. 681.

*Ardea* (ornithology), II. 670, 1 b (BITTERN); *A. minor*, 2 a; *A. (butorides) virescens*, 2 ab (ill.). VI. 453, 1 c (EGRET); *A. (herodias) egretta*, *ib.* (ill.); *A. alba*, 2 c (ill., 454); *A. garzetta*, 454, 1 b (ill.); *A. Coromanda*, 1 c; *A. rufa*, 2 a (ill.). VIII. 689, 2 a (HERON); *A. cinerea*, 690, 1 a (ill., 689); *A. purpurea*, 1 bc; *A. Ludoviciana*, 1 c (ill.); *A. herodias*, 2 c (ill.); *A. occidentalis*, 691, 2 a (ill.); *A. cœrulea*, 2 b.

*Ardebil*: see ARDABIL.

ARDÈCHE [ar-daish], department of France, I. 681.

*Ardeidae* (ornithology), II. 670, 1 b.

ARDENNES [ar-dën], department of France, I. 681.

ARDESIR [ar-dëb-sheer'], Ardsbir, or Artaxerxes, Babegan, founder of the Sassanide dynasty, I. 681; 773, 2 a.

*Ardeotis exilis* (ornithology), II. 670, 1 ab (ill., 671).

ARDITI, Luigi [ar-dë'-te], violinist and composer, I. 681.

*Arelate* [är-e-lä'-te], ancient town, I. 718, 2 a (ARLES); kingdom of, 2 b, and VII. 379, 2 c.

*Ard-righ*, title, III. 263, 2 c.

*Ardshir*: see ARDESIR.

ARE [äre], French unit of surface, I. 682.

*Areca* [a-rë'-ka], (botany), XIII. 17, 1 c. *A. lutescens*, 16, 2 b (ill., 17). *A. catechu*, 17, 2 a (ill.); II. 593, 1 b. *A. oleracea*, III. 524, 1 c (ill.); XIII. 17, 2 c (*oreodoxa oleracea*).

*Areca island*, XIII. 245, 1 c (PENANG).

*Areca palm*, XIII. 17, 2 a (ill.); II. 593, 1 b.

*Arecinææ* (botany), XIII. 17, 1 c.

*Are'na*, of an amphitheatre, I. 439, 2 c.

*Aren'acum*, I. 757, 1 c (ARNHEM).

ARENDAL [ä'-ren-däl], town of Norway, called "Little Venice," I. 682.

*Arenicola* (entomology), X. 562, 1 c. *A. piscatorum*, 2 a; VI. 218, 1 c.

*Are'ola*: see MAMMARY GLANDS, XI. 83, 1 c; OBSTETRICS, XII. 569, 1 a.

*Areolæ*, of the lungs, X. 721, 1 a.

AREOLAR TISSUE: see CELLULAR TISSUE.

AREOMETER [a-re-on'-e-ter]: see HYDROMETER.

*Areopagites* [a-re-op'-a-jites]: see ILLUMINATI, IX. 193, 1 c.

AREOPAGUS, of Athens, I. 682; II. 59, 2 bc. Council or court of the Areopagus, I. 682, 1 b; II. 55, 1 a and c.

AREQUIPA [ä-rä-kë'-pa], department of Peru, I. 682. Volcano of Misti or Arequipa, 2 a (ill.). Capital town, 2 c.

ARES [ä'-reez]: see MARS.

ARETEUS [är-e-të'-us], physician, I. 683. His theory of insanity, IX. 297, 1 bc.

ARETHUSA [är-e-thu'-za], fountain and nymph (Nereid), I. 683, and 351, 1 c. One of the Hesperides, 683, 1 a. Fountain repaired, XV. 542, 1 bc.

ARETINO, Guido, or Guido d'Arezzo [ä-rä-të'-no, gwë'-do dä-ret'-so], Benedictine monk, I. 683. See BRUNI, Leonardo. Pietro, Italian writer, 1 c.

*Are'tium*, I. 683, 2 b (AREZZO).

AREZZO [ä-ret'-so], province, I. 683. Capital city, 2 b.

ARGÆUS, Mount [ar-jë'-us]: see ARJISU.

ARGALI [ar-gä'-le]: see SHEEP, XIV. 836, 2 c. Asiatic, *ib.* (ill., 837). African, 837, 1 ab. American, 1 c (ill.).

ARGALL, Samuel [ar-'g'l], adventurer, I. 683.

*Argand burner*, X. 129, 1 bc.

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*Ar'gent* [Fr. ar-zhâ'ne], in heraldry, VIII. 671, 2 a, b.

ARGENTAN [ar-zhâ<sup>ns</sup>-tâ<sup>ns</sup>], town of France, I. 685.

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ARGENTEUIL, county, I. 685.

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*Argent'ic oxide*, XV. 48, 2 c (SILVER).

*Argentine flowers of antimony*, crystals, I. 565, 1 a.

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*Argentora'tum*, ancient city, XV. 410, 2 c.

*Argentum*, origin of the name, XV. 47, 2 a.

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*Arginû'sae*, naval battle of: see GREECE, VIII. 195, 1 a.

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*Argo*, fabled ship, I. 696, 2 b (ARGONAUTS).

*Arg'gob*, ancient city, II. 359, 2 b (BASHAN).

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*Argolis and Corinth*, nomarchy, I. 697, 2 c.

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*Argonau'ta* (mollusca), XII. 177, 1 a. A. argo, 1 c (ill.).

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ARGONNE [ar-gün], region in France, I. 697.

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ARGOON, or Argun [ar-goön'], river, I. 697.

AR'gos, or Argolis, ancient Greece, I. 697.

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ARGÜELLES, Angustin [ar-gwä'-lyace], statesman, I. 697.

*Arguerite*, XV. 49, 2 ab (SILVER).

*Argun*: see ARGOON.

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*Argus* (ornithology), XIII. 384, 2 c. A. giganteus, *ib.* (ill., 385).

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*Argyre'us* (ichthyology), V. 628, 1 c. A. atrofasciatus, 2 b (ill.). A. nasutus, 2 c.

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*Aria Palus*, lake, XIV. 755, 1 c.

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*Ariel*, or cora, species of gazelle, VII. 655, 2 a.

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*Arioch* [â'-re-ok], king of Ellasar, referred to, IV. 230, 2 ab.

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*Arisa* [á-ré'-sa], tree, specific for staunching effusion of blood, V. 86, 2 ab.

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ARISTA, Mariano [á-reece'-ta], general, I. 703.

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*Arsin'oïte nome*, ancient Egypt, VII. 102, 2 b.

*Ars Lulliana*, logical machine, X. 713, 1 bc.

*Ars Magna*, Jerome Cardan's: see ALGEBRA, I. 301, 2 c.

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*ARS-SUR-MOSELLE* [ar-sûr-mo-zêl], town, I. 772.

*Art*, early Christian, XII. 795, 2 bc. Christian, works on: see BOCK, Franz.

*Art, works of*, saved from destruction during the first French revolution, X. 341, 2 b (LENOIR, Alexandre).

*AR'TA*, Turkish town, I. 772. See AMBRACIA.

*ARTABA'NUS*, assassin of Xerxes, I. 772.

*Artabanus I.*, king of Parthia, XIII. 135, 1 b.

A. II., 2 b. A. IV., 136, 2 c.

*ARTABA'ZUS*, two Persian generals, I. 772.

*Artab'ri*, an ancient people, referred to, VII. 566, 1 ab.

*Artac'es*, or Artaxias, king of Armenia, I. 723, 2 c.

*ARTAX'ATA*, ancient city, I. 773.

*ARTAXERXES*, name of three kings of Persia, I. 773. A. Longimanus, 1 b. A. Mnemon, 1 bc. A. Ochus, 2 a.

*Artax'ias*, king of Armenia, I. 723, 2 c; 773, 1 a.

*Artedi* [ar-tâ'-de], (Peter, 1703-'35), his classification of fishes, IX. 159, 1 bc.

*ARTEMIDORUS* of Ephesus, geographer, I. 773.

*AR'TEMIS*: see DIANA.

*ARTEMISIA* [ar-te-mish'-a], queen of Halicarnassus, I. 773. Wife and successor of Mausolus, 2 b.

*ARTEMISIA* (botany), I. 773. Various species,

- 2 c. *A. dracunculus*, *ib.*, and XV. 573, 2 a. *A. maritima* (var. *Stechmanniana*), XVI. 730, 2 c (ill.). *A. absinthium*, 731, 1 c (ill.); I. 34, 1 b.
- ARTEMISIUM**, I. 774. Naval battle of the Greeks and Persians, 1 a.
- Artemius* (Anastasius), emperor, I. 458, 1 c.
- Artemus Ward*, pseudonyme, III. 344, 2 b.
- Arterial valves*, VIII. 558, 1 a.
- ARTERY**, I. 774. Structure of, 491, 1 c (ANEURISM). See CIRCULATION, IV. 606, 2 b; 607, 2 b; 610, 1 a. Twisting of, I. 442, 1 c; first introduced, 447, 1 c.
- Artesian boring tools*, I. 778 (ills.); in operation (ill.), 779, 1 a; simplest (ill.), 1 c; tools for extracting obstructions (ill.), 2 a.
- ARTESIAN WELLS**, I. 774 (ills.). Origin of the name, 2 ab. First artesian well, X. 470, 2 a. Principle of, I. 775, 1 a; supply from, *ib.*; increase of temperature in, 1 b; hot springs, 1 bc. Well at Grenelle, 2 a; at Passy, 2 b; at Kissingen, 776, 1 a; in the desert of Sahara, *ib.*; at Bourne, Eng., 1 b; in the Continental hotel, Philadelphia, *ib.*; at Point of Rocks, Wyo., 1 bc; in the Llano Estacado, 1 c; in Alabama, 229, 2 b; at St. Louis, 776, 2 a; at Louisville, Ky., 2 b; at Charleston, S. C., *ib.*; at Onarga, Ill., 777, 1 a; Chicago wells, 1 b; in New York city, 1 bc. Methods of boring, 2 a; in China, 2 ab; in the Pennsylvania oil region, 2 bc. Accidents in boring, 779, 1 c. Drill invented by Goulet-Collet, 2 b. Negative wells, 2 c.
- ARTEVELDE**, Jacob van [ar'-têh-vel-dêh], Flemish leader, I. 780. Philip van, 1 c.
- Arthral'gia*, lead (lead poisoning), X. 247, 1 c.
- ARTHRI'TIS**, inflammation of the joints, I. 780.
- Arthroco'eus*, in lacteous fermentation, VII. 146, 1 a (ill.).
- ARTHUR**, legendary hero, I. 781; X. 138, 1 a.
- Arthur*, duke of Brittany (Prince Arthur), IX. 648, 2 b and c; 649, 1 a and b.
- ARTHUR**, Timothy Shay, author, I. 781.
- ARTHUR**, William, clergyman and author, I. 781.
- Arthur Dudley*, pseudonyme, III. 480, 2 b.
- Arthur's quitois*: see CROMLECH.
- Arthur's round table*, I. 781, 1 bc; III. 540, 2 a (ill.), (CAERLEON); XVI. 655, 2 c.
- Arthur's Seat*, VI. 405, 1 c (EDINBURGH).
- Artiads* (chemical), II. 89, 1 a; IV. 371, 1 bc; XI. 585, 1 b; XII. 479, 1 b.
- ARTICHOKE**, I. 781. Globe artichoke (ill.), 782. Jerusalem artichoke, 1 bc; tuber (ill.), *ib.* Canada or Virginia potato, 1 c.
- Article*, *Arabie*, I. 227, 2 a.
- Articles of Smalcald*, X. 728, 2 ab.
- ARTICULA'TA**, I. 782; IX. 325, 1 b, 2 a.
- Artic'ulates*, eyes of, VII. 47, 2 ab.
- ARTICULATION** (anatomy), I. 783 (ills.).
- Artificial gems*, VII. 664, 2 b; manufactory of, 665, 2 a.
- Artificial horizon*, VIII. 816, 2 c.
- ARTIGAS**, José [ar-tê'-gâss], South American general, I. 784.
- ARTIL'LERY**, I. 784. Illustrations: early English cannon, 785; bombard, *ib.*; mortar, *ib.*; Coehorn mortar, 786; gun carriage, 789; Dahlgren gun, 790; thirteen-inch mortar, 791; field six-pounder smooth-bore bronze gun, *ib.*; Armstrong gun, 793; Whitworth gun, *ib.*; Krupp gun, 794; Rodman gun, 795; Parrott gun, 796; Gatling gun, 797.
- Artillerymen*, patron saint of, II. 297, 2 b.
- Artillery school*, United States, XI. 538, 1 c; XIII. 638, 1 a.
- ARTIODACTYLES** [ar-te-o-dak'-tils], (zoölogy), I. 797; XVI. 111, 1 a.
- Artocar'pus Brazilien'sis* (botany), III. 224, 1 c. *A. incisa*, 234, 1 b. *A. integrifolia*, 1 b, 2 c.
- ARTOIS** [ar-twâ], province, I. 797. Origin of the name: see ATREBATES. Count of: see CHARLES X. (of FRANCE), IV. 288, 1 a.
- ARTOT**, Joseph [ar-tō], violinist, I. 798.
- Artozerxes*: see ARTAXERXES.
- Art unions*, held to be lotteries, X. 648, 2 a.
- Arugan'*, East Indian deity, IX. 508, 1 ab.
- Aruk'h* [â-rook'] (dictionary), of Nathan ben Jehiel, referred to, IV. 231, 1 c (CHALDEE LANGUAGE).
- A'rur cordifo'lum* (botany), VII. 807, 1 bc. *A. esculentum*, VIII. 526, 2 b. *A. maculatum*, XVI. 422, 2 b.
- Arun'da*: see RONDA.
- AR'UNDEL**, Thomas Howard, earl of, I. 798.
- ARUNDELIAN MARBLES**: see ARUNDEL, THOMAS HOWARD.
- ARUNDELL**, Blanch, English heroine, I. 799.
- Arundel society*, I. 798, 2 c.
- Arundin'ria macrosper'ma* (botany), III. 701, 1 c (ill.); XIII. 48, 1 b.
- Arun'do phragm'ites* (botany), XIV. 240, 2 b.
- Ar'rad*, ancient city, I. 627, 2 bc.
- Arvie'ola* (zoölogy), XI. 311, 2 c. *A. riparia*, *ib.*
- ARWIDSSON**, Adolf Ivar [ar'-vids-son], Swedish poet, I. 799.
- Arx*, citadel of Rome, III. 756, 1 a.
- Arx languages of India*, IX. 216, 2 a.
- AR'YAN RACE AND LANGUAGE**, I. 799. Deriva-



- tion of the term Aryan, 1 bc. Principal branches, 1 c. Proofs of relationship, 2 a, and 801, 2 b. Primitive structure of the language, 799, 2 c; changes in structure, 800, 1 c. Original Aryan race, 2 b, and VII. 737, 1 c; dispersion and migration, I. 801, 1 b; grade of kinship between different branches, 1 bc; subordinate branches, 1 c; supplanting of other races, 2 a; mixture with aboriginal races, *ib.* Evidence of a unity of race and language among the different branches, 2 b. Historical importance of the Aryans, 2 c.
- Aryans in India*, IX. 213, 1 c, ff.
- Aryballos, Egyptian* (ill.), XIII. 779.
- Aryo-Romanic race*, VI. 759, 2 b.
- ABZACHEL**, Abraham [ar-thâ-chail'], Jewish astronomer of Spain, I. 802.
- ARZAMAS'**, or Arsamas, Russian town, I. 802.
- As**, Roman weight and coin, I. 802; XI. 738, 1 a.
- As**, or **Asa**, mythical, I. 802; XII. 120, 1 a.
- A'sa**, king of Judah, I. 802; VIII. 588, 2 a.
- Asabs**, sections of the Koran, X. 45, 1 a.
- ASAÆTIDA** [as-a-fet'-e-da], I. 802 (ill.).
- A'SAPH**, a Levite and psalmist, I. 802. "Children of Asaph," 2 b.
- Asaphus cauda'tus* (zoölogy), XV. 868, 2 ab.
- Asa race*, in northern mythology, XII. 120, 1 a.
- Asaradi'nus*, in Ptolemy's Canon, VI. 723, 1 c (**ESARHADDON**).
- As'arum* (botany), XV. 130, 2 c. **A. Canadense**, *ib.* (ill., 131).
- ASBEN**, in Africa: see **AIR** (oasis).
- ASBES'TUS**, mineral, I. 802; VIII. 821, 1 b.
- AS'BURY**, Francis, Methodist bishop, I. 803; XI. 454, 2 b, ff.
- Asclabotæ* (zoölogy), VII. 656, 1 a.
- Ascalabotes* (zoölogy), of Aristotle, VII. 656, 1 c.
- AS'CALON**, city of Philistia, I. 803.
- ASCARIDES** [as-kär'-e-deez], (entozoa), I. 803; VI. 668, 1 c.
- As'caris lumbricoi'des* (entozoa), I. 804, 1 a; VI. 668, 1 c (ill., 2 b). **A. vermicularis**, I. 804, 1 a; VI. 669, 1 a (ill.).
- ASCEN'SION**, parish of Louisiana, I. 804.
- Ascension, right* (astronomy), how found, XV. 843, 1 a; 845, 1 a.
- ASCENSION DAY**, I. 804.
- ASCENSION ISLAND**, S. Atlantic ocean, I. 804.
- Ascensions*, balloon, for scientific purposes: see **AERONAUTICS**, I. 147, 1 a, and **GAY-LUSSAC**, VII. 653, 1 b.
- Ascensius*, II. 213, 2 a (**BADICS**).
- Ascet'icism*: see **MONACHISM**. Hindoo, IX. 227, 1 c.
- Asce'tics*, XI. 728, 2 ab.
- ASCH** [âsh], town of Bohemia, I. 804.
- ASCHAFFENBURG** [â-shâf'-fen-boorg], city of Bavaria, I. 804.
- ASCHAM**, Roger [as'-kam], scholar, I. 804. Instructor of Elizabeth, afterward queen, in Greek and Latin, VI. 531, 1 b.
- ASCHERSLEBEN** [âsh'-erce-lä-ben], Prussiantown, I. 804.
- Asci* (botany), of fungi, VII. 529, 1 c, and 532, 1 ab; of lichens, X. 409, 1 c.
- Ascid'ia* (botany), X. 267, 1 c; XIII. 547, 1 c.
- ASCIDIANS**: see **MOLLUSCOIDS**, XI. 724, 2 c.
- Asce'tes* [as-si'-teez], VI. 266, 1 b (**DROPSY**).
- Asclepi'ade*, or *Asclepiades*, race of, I. 153, 1 a; XI. 346, 1 b; XV. 485, 2 b.
- ASCLEPIADES** [as-klē-pi'-a-deez], Greek physician, I. 805. His treatment of insanity, IX. 297, 1 b.
- Ascle'pius* (botany), XI. 545. **A. Cornuti**, 546, 1 a (ill., 545). **A. variegata**, 546, 1 a (ill.). **A. gigantea vel procera**, I. 601, 1 c.
- ASCOLI** [âs'-ko-le], city of Italy, I. 805. **Ascoli Piceno** [pe-châ'-no], province, 1 b. **Ascoli di Satriano** [de sâ-trē-â'-no], town, *ib.*
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- AS'COT HEATH**, race course, I. 805. Annual meeting, 1 c.
- Ascotricha* [as-ko-tri'-ka], fungus, XI. 535, 2 a.
- As'cough*: see **ASKEW**.
- Asculum* *Apulum*, ancient town, I. 805, 1 b (**ASCOLI**).
- Asdrubal*: see **HASDRUBAL**.
- ASELLI**, or **Asellio**, Gasparo [â-sel'-le, -le-o], Italian anatomist, I. 805.
- Asfi** [as'-fe]: see **SAFFI**.
- As'gard*, XII. 120, 1 a (**MYTHOLOGY**).
- ASGILL**, John [as'-ghil], English lawyer and writer, I. 805.
- ASH**, forest tree, I. 805. Genera and species of, 1 c, ff. Mountain ash (ill.), 806, 1 c. Oak-leaved mountain ash (ill.), 2 b.
- ASH**, John, English clergyman, I. 807.
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- Ashangi* [â-shân'-ghe], lake of Abyssinia, I. 167, 2 b.
- ASHANTEE'**, a savage kingdom of Africa, I. 807.
- Ash beds* (of copper ore), V. 323, 1 c.
- ASU'BURTON**, Alexander Baring, baron, I. 807. Ashburton treaty, 2 c. William Bingham Baring, Lord Ashburton, 808, 1 ab. Francis, *ib.* Alexander Hugh, *ib.*

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- ASHBY DE LA ZOUCH [ash'-be del-a zoosh], town of England, I. 808. Remains of castle in which Queen Mary was imprisoned, 1 b.
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- ASHE, county, I. 808.
- ASHE, John, revolutionary officer, I. 808.
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- Asinel'li, the* (leaning tower of Bologna), III. 18, 1 a (ill.); 661, 2 b.
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- Askew*, bibliomaniac, II. 622, 1 bc.
- ASMANNSHAUSEN [ăss'-mănce-how-zen], Prussian village, II. 17. Wine of, 2 c, and VII. 774, 2 a.
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- ASMONE'ANS, or Hasmoneans, Jewish priestly and princely family, II. 17. Last of the Asmonean princes, I. 563, 2 a.
- Asmus* [ăss'-moos]: see CLAUDIUS, Matthias.
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- ASPHYX'IA, imperfect or suspended respiration, II. 21. In medical jurisprudence, XI. 340, 1 bc, 2 a; 341, 1 b and c. Heat or solar asphyxia: see SUNSTROKE.
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*As'sets*, in bookkeeping, III. 80, 2 a.

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*Asshur-lush*, XIV. 631, 1 b.

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- BECKET, Thomas à, English prelate and statesman, II. 440. His shrine, 441, 2 c. Becket's crown or corona, 442, 1 a. Biographies and notices of, *ib.* See HENRY II., VIII. 642, 2 b, ff.
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- BECKMANN, Johann, German technologist, II. 443.
- BECKX, Pierre Jean [bex], general of the society of Jesus, II. 443.
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*Belone* (ichthyology), XIII. 510, 2 c. B. truncata, *ib.* (ill., 511).

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*Belut Tagh* [bā-loot' tåg] : see BOLOR TAGH.

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- BESSIÈRES, Jean Baptiste [bā-se-âir], French soldier, II. 592.
- Bestia*, L. *Culturnia*, referred to, IV. 120, 2 b.
- Bestusewi tinctura tonica*, inventor of, II. 593, 1 a.
- BESTUZZEFF, Alexander [bes-too'-zhéf], Russian poet and patriot, II. 592.
- BESTUZZEFF-RUMIN [-rew-min'], Russian family, II. 592. Peter Mikhailovitch, count, 2 b. Mikhail, grand marshal, *ib.* Alexei, count, 2 c.
- BETANÇOS, Domingo de [bā-tân'-soce], Spanish missionary, II. 593.
- Betancurt* [bā-tân-koort'], Spanish family, origin of, II. 594, 2 b. Fray Pedro de, founder of the Bethlehemites, 596, 1 ab.
- Bēta vulga'ris* (botany), II. 471, 1 a (ill.). B. altissima, 1 c. B. cycla, 2 bc (ill.). B. maritima, 472, 1 a.
- BE'TEL NUT, II. 593. Betel pepper, 1 b (ill.).
- Bête rouge* [bait roozh], parasite, of Martinique, VI. 695, 2 c.
- BETH'AM, Sir William, English antiquary, II. 593. Rev. William, author, 2 a.
- BETH'ANY, village of ancient Palestine, II. 593 (ill.).
- BETHANY, village of West Virginia, II. 594. Bethany college, 1 a.
- BETH'EL, city of ancient Palestine, II. 594 (ill.).
- BETHEL, town of Maine, II. 594.
- Bethel community*, XV. 140, 2 b.
- BÉTHENCOURT, Jean, seigneur de [bā-tâ<sup>ne</sup>-koor], French navigator, II. 594.
- BETHES'DA, ancient pool or fountain, II. 594; IX. 615, 2 bc.
- Beth hammidrash*: see SYNAGOGUE, XV. 540, 1 b.
- BETH-HO'RON, Upper and Lower, two villages of ancient Palestine, II. 594.
- BETH'LEHEM, ancient town of Palestine, II. 594; ills., 595.
- BETHLEHEM, borough of Pennsylvania, II. 595.
- Bethlehemite nuns*, II. 596, 1 b.
- BETHLEHEMITES, two religious orders, II. 596.
- BETHLEN, Gábor [bet'-len], prince of Transylvania, II. 596.
- BETHPHAGE [beth'-fa-ghe], Palestine, II. 596.
- Beth-phake*, II. 596, 2 a (BETHPHAGE).
- Bethroot*, plant, XV. 867, 1 ab.
- BETHSAI'DA, Palestine, II. 596 (ill.).
- Beth'san*, village of Palestine, XIV. 726, 2 a.
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- Beth'shemesh*, city of Egypt, VIII. 619, 1 c.
- BÉTHUNE [bā-tûn], town of France, II. 597.
- Bethune', David*: see BEATON.
- BETHUNE, George Washington, D. D., American clergyman and author, II. 597.
- BETLIS [bet-lees], town of Turkey, II. 597.
- Béton [Fr. bā-tô<sup>ne</sup>], a kind of concrete, V. 209, 1 a. Béton aggloméré [ag-glüh-mā-rā], 1 b. Examples of its use, 2 a, ff.

*Be'ton, David*: see BEATON.

BETROTH'MENT, II. 597. In ancient times, 2 a. Decree of the council of Trent, 2 b. In France, 2 c. In England, *ib.* In Scotland, 598, 1 a. In Germany, 1 ab. In the United States, 1 b. Among some semi-civilized races, 1 bc.

*Betsibooku*, river of Madagascar, X. 809, 2 c.

*Betsileos*, tribe of Madagascar, X. 811, 1 a.

*Betsimasakaras*, tribe of Madagascar, X. 811, 1 a.

BET'TERTON, Thomas, English actor, II. 598.

*Bettina von Arnim*: see ARNIM, I. 758, 1 c.

BETTINET'LI, Saverio, Italian author, II. 598.

BETTY, William Henry West, English actor, II. 598 (died 1874). Henry, 2 c.

*Be'tula* (botany), II. 647, 1 a. B. *alba*, 1 c (ills.). B. *pendula*, 2 b (ill.). B. *lenta*, 648, 1 a. B. *papyracea*, *ib.* B. *nigra*, 1 b. B. *nana*, *ib.*

BETWAH', river of Hindostan, II. 598.

*Beudant* (François Sulpice, 1787-1850), [büh-dānt], his classification of minerals, XI. 590, 1 b.

BEUKELS, or Beukelszoon, Willem [büh-'kels, -zone], Dutch fisherman, II. 598.

*Beulah*, county seat, III. 7, 1 b.

BEULÉ, Charles Ernest [büb-lā], French archæologist, II. 599. (Died 1874.)

BEURNONVILLE, Pierre de Ruel, marquis de [bühr-nō<sup>ve</sup>-veel], French soldier, II. 599. Étienne Martin, 1 c.

BEUST, Friedrich Ferdinand von, count [fön-boist], German statesman, II. 599. His reconstruction of the Austrian empire, 150, 1 a, ff. His project of a federal constitution for Germany, VII. 756, 2 c.

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*Beuvron, marquis de* [düh büh-vrō<sup>ve</sup>], French duellist, III. 161, 2 c.

BEVELAND, North and South [bā'-vēh-lānt], islands of Holland, II. 600.

BEVEREN [bā'-ver-en], borough of Belgium, II. 600.

BEVERIDGE, William, English prelate, II. 600. On Isidore Mercator's collection of canons, III. 718, 2 c.

BEVERLEY, borough of England, II. 600.

BEVERLEY, John of, prelate, II. 600.

BEVERLY, town of Massachusetts, II. 600.

*Beverly*, county seat, XIV. 199, 1 a.

BEWICK, Thomas, English wood engraver and author, II. 601. John, 1 b (*bis*).

BEXAR [bā-ar'; Sp. bā-'har'], county, II. 601.

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BEXLEY, Lord: see VANSITTART, Nicholas.

*Bey* [bā], title: see BEG; TRIPOLI, XV. 872, 2 ab; TUNIS, XVI. 31, 1 b.

*Beykaneer* [bā-ka-neer']: see BICKANEER.

BEYLE, Marie Henri [bail], French author, II. 601; IV. 17, 2 a.

*Beylol Lodi*, Afghan military chief, IX. 208, 1 bc.

*Beypasha* [bā'-pa-shā]: see BEAS.

*Beyra*: see BEIRA.

BEYROUT [bā-root'], town of Syria, II. 601; view, 602.

*Beysheher*: see BEGSHEHER.

BE'ZA, Théodore de, French reformer, II. 603.

*Bezanozano, the*, class of Madagascans, X. 811, 2 ab.

*Bezant'*, in heraldry, VIII. 672, 2 c.

*Bezant'lers* (of the deer), V. 756, 2 b.

BEZA'S CODEX, II. 603; XI. 133, 1 c.

BÈZE, Théodore de [düh baiz]: see BEZA.

BÉZIERS [bā-ze-ā], town of France, II. 603. Cathedral of St. Nazaire, 2 c (ill., 604). Slaughter of Albigenes at, 604, 1 b, and I. 253, 1 b.

*Bez'il* (of the diamond), VI. 75, 1 b.

BE'ZOAR, calculus used as a charm, II. 604.

BHADRINATH [bā-dre-nāt'], town of British India, II. 604.

*Bhagerut Row Sindia*, sovereign of Gwalior, VIII. 349, 1 a.

*Bhagirathi* [bā-ghe-rā'-te], source of the Ganges, VII. 609, 1 c.

*Bhainsa* [bine'-sa], tame buffalo, III. 410, 2 a.

*Bhalbus*, bastard Brahmans, IX. 213, 2 c.

BHAMO [bā-mo'], town of Burmah, II. 604.

*Bhammo*: see BHAMO.

BHATRINARI [bar-trē-hā'-re; Hind. b'hur-tre-hūr'-e], Hindoo poet, II. 604.

*Bhāshyas*, commentaries on the Vedas, IX. 229, 1 ab.

BHATGAN [bāt-gān'], town of Hindostan, II. 605.

*Bhatgong*: see BHATGAN.

*Bhangulpore'*: see BOGLIPOOR.

BHAWALPOOR [baw-al-poor'], state of Hindostan, II. 605. Town, 1 c.

BHEELS, tribe of India, II. 605; V. 197, 2 c; IX. 215, 1 a.

*Bhomiyaḥ* [bo-mē'-yā], title, II. 605, 2 ab.

BHOOL, city of Hindostan, II. 605.

BHOPAL', state of Hindostan, II. 605. Town, 2 c.

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*Bhotanta language*, XV. 705, 1 b.

BHURTPOOR', state of Hindostan, II. 606. Capital city, 1 a (ill.).

*Bhurtpore*: see BHURTPOOR.

**BLAFRA** [be-af'-ra], kingdom of Africa, II. 606.

Bight of, 1 c.

**BLALYSTOK** [byá-le-stok'], town of Russia, II. 606.

**Biamri** [be-ám'-re], Arabic title, III. 617, 2 a.

**Bianchi** [byán'-ke], (whites), Ghibelline faction at Florence, V. 670, 2 c, ff.; VII. 277, 2 a; VIII. 297, 1 b.

**BIANCHINI**, Francesco [hyán-ké'-ne], Italian astronomer and author, II. 606.

**BIARD**, Anguste François [byar], French painter, II. 607. Léonie d'Aunet, writer, 1 c.

**BIARRITZ** [byar-reets], bathing place of France, II. 607. Villa Eugénie, 2 a (ill.).

**Br'as**, mythical, II. 607. Of Priene, one of the seven wise men, 2 b.

**Bias**, a cotton cloth, I. 227, 1 c.

**Biaxial crystals**, in optics, X. 441, 2 a; 449, 1 a, 2 a (ills.); 451, 2 a, ff. (ills.).

**Biban pass**, Atlas mountains, II. 81, 1 bc.

**Bibars** [bé'-bars], sultan of Egypt, III. 617, 2 bc.

**BIBB**, two counties, II. 607.

**BIBBIENA**, Ferdinando Galli da [beeb-byá'-na], Italian architect and painter, II. 608. Giovanni Maria, Francesco, and Antonio, 1 b.

**BIBER**, George Everard [bé'-ber], English clergyman and author, II. 608.

**BIBERACH** [bé'-ber-á'h], town of Württemberg, II. 608.

**BIBESCO**, George Demetrius, prince [be-bes'-ko], Wallachian statesman, II. 608. Barbo Demetrius Stirbey, hospodar, 2 ab. Nicholas, 2 b.

**Bibijagua** [be-be-'há'-gwa], ant, V. 546, 1 c.

**Bibiru bark** [be-bé'-roo], VIII. 231, 1 ab. See BEBEERINE.

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*Bible Christians*, Methodist sect, XI. 454, 1 bc.

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*Biblical traditions among the Karens*, IX. 768, 2 b.

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*Bibliotheca Palatina*, section of the Vatican library, VIII. 613, 1 c.

*Bibliotheca Sacra*, periodical, XIII. 301, 2 c.

**BIBRA**, Ernst von, baron [fön bé'-bra], German naturalist, II. 622.

**BIBRAC'TE**: see AUTUN.

*Bi'brax Sueso'num*: see LAON.

*Bicaruretted hydrogen*, Faraday's name for benzene, II. 544, 1 a.

**BICÈTRE** [be-saitr'], village of France, II. 622. Hospital of, 2 c.

**BICHAT**, Marie François Xavier [be-shá], French anatomist and physiologist, II. 623. His classification of the organs of the body, I. 461, 1 bc and c.

**BICHE DE MER** [beesh düh mair]: see SEA CUCUMBER, XIV. 728, 2 bc.

*Bichloride of methylene*: see CHLORO-METHYL.  
*Bici* [bē'-se], bird, VII. 110, 2 b.  
*BICKANEER'*, state of Hindostan, II. 623. Capital town, 624, 1 a.  
*Bickern*, small anvil, I. 579, 1 a.  
*BICK'ERSTAFF*, Isaac, English dramatist, II. 624.  
*BICKERSTETH*, Edward, English clergyman, II. 624. Henry, Lord Langdale, lawyer, 1 c. Edward, clergyman, *ib.* Robert, bishop, 2 a. Edward Henry, clergyman and poet, 2 ab.  
*Bidas'pes*, river, IX. 639, 2 c (JULIUM).  
*BIDASSO'A*, river of Spain, II. 624.  
*BID'DEFORD*, city of Maine, II. 624.  
*Biddellians*, sect, II. 626, 1 b.  
*Biddings*, *dumb*, at auction, II. 103, 1 a.  
*BIDDLE*, Clement, American soldier, II. 625. Clement Cornell, political economist, 1 c.  
*BIDDLE*, James, American naval officer, II. 625.  
*BIDDLE*, John, English theologian, II. 625.  
*BIDDLE*, Nicholas, American naval officer, II. 626.  
*BIDDLE*, Nicholas, American banker, II. 626.  
*BIDDLE*, Richard, American lawyer, II. 627. His memoir on Sebastian Cabot, III. 531, 1 b.  
*BID'FORD*, seaport of England, II. 627.  
*BIDLOO*, Godfried [bid'-lo], Dutch anatomist, II. 627.  
*BIDPAY* [bid'-pī], reputed author of Hindoo fables, II. 627.  
*Bieberich* [bē'-ber-i'h]: see BIEBRICH.  
*BIEBRICH* [bē'-brī'h], town of Prussia, II. 627.  
*BIEFFE*, Édouard de [byef], French painter, II. 627.  
*BIEL* [beel]: see BIENNE.  
*Biel*, Saxon divinity, II. 628, 2 b.  
*BIELA*, Wilhelm von [bē'-la], German soldier and astronomer, II. 627. Biela's comet, 628, 1 a; V. 141, 1 a.  
*BIELFELD* [bē'-lēh-felt], town of Prussia, II. 628.  
*Bielsee* [bē'-Jer-zā], lake, II. 629, 1 a (BIENNE).  
*BIELEV* [byel-ev'], town of Russia, II. 628.  
*BIELGOROD* [byel-go-rōd]: see BELGOROD.  
*Bielina* [byā-lē'-na], fortress of Bosnia, III. 112, 1 ab.  
*BIELITZ* [bē'-lits], town of Austria, II. 628. Old Bielitz, 1 c.  
*BIELLA* [byel'-la], town of Italy, II. 628.  
*Bielostok*: see BIALYSTOK.  
*BIEŁOWSKI*, August [byel-ov'-ske], Polish writer, II. 628.

*BIELSHÖHLE* [beels'-hö-lēh], cave in the Hartz, II. 628; VIII. 493, 2 c.  
*BIELSKI*, Marcin [byel'-ske], Polish historian, II. 628.  
*Bielstein* [beel'-stine], mountain, II. 628, 2 b.  
*BIENNE* [hyen], town of Switzerland, II. 628. Lake of, 629, 1 a.  
*BIENVILLE* [be-en'-vil], parish of Louisiana, II. 629.  
*BIENVILLE*, Jean Baptiste Lemoine (Le Moyne), sieur de [byā<sup>ne</sup>-veel], governor of Louisiana, II. 629. François Le Moyne, sieur de, X. 338, 1 c.  
*Bière* [byāir], forest of, VII. 304, 2 ab.  
*BIERNACKI*, Aloizy Prosper [byēr-nāts'-ke], Polish agricultural reformer, II. 630. Józef, patriot, 1 ab.  
*BIERSTADT*, Albert [beer'-stat], American artist, II. 630.  
*BIES-BOSCH* [beece'-bosk], marshy lake, Netherlands, II. 630.  
*Bièvre* [byaivr'], forest of, VII. 304, 2 ab.  
*Bièvre*, stream in Paris, VIII. 59, 1 b (*bis*).  
*Biffrasta* [be-frās'-ta], in Scandinavian mythology, XII. 120, 1 b.  
*BIG'AMY*, II. 630; XIII. 687, 1 a.  
*Big Beaver*, island, Lake Michigan, II. 436, 1 c.  
*Big Ben*, bell, London, X. 610, 1 a.  
*BIG BLACK RIVER*, Mississippi, II. 630.  
*BIG BONE LICK*, Kentucky, II. 630.  
*BIGELOW*, Erastus Brigham [big'-e-lo], American inventor, II. 630. His improvement of the power loom for carpet weaving, IV. 20, 2 b, ff.; XVI. 525, 2 c.  
*BIGELOW*, Jacob, American physician, II. 631.  
*BIGELOW*, John, American journalist and author, II. 631.  
*BIGELOW*, Timothy, American lawyer, II. 631.  
*Big figure*, in fado, VII. 89, 2 a.  
*Bigg*, Scottish barley, II. 316, 1 a; III. 257, 1 c.  
*BIG HORN*: see SHEEP, XIV. 837, 2 a.  
*BIG HORN*, county, II. 631.  
*BIG HORN RIVER*, II. 631.  
*Big Horn range*, Rocky mountains, XIV. 375, 2 c.  
*Bignonia* (botany), XVI. 15, 2 c. *B. capreolata*, 16, 1 c. *B. venusta*, 2 a.  
*Bigordi, Domenico*, painter: see GHIROLANDAIO.  
*Big Rapids*, county seat, XI. 331, 2 c.  
*BIG STONE*, county, II. 632.  
*Big tree grove* ("the big trees"), III. 567, 1 c (CALAVERAS). See SEGOIA.  
*BIHAR* [bē'-hor], county of Hungary, II. 632.

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*Bil*: see BELUS.

*Bilateral disease*, III. 310, 2 b.

*Bilateral operation*, for the stone, XV. 398, 2 c; 399, 1 a.

BILBAO [beel-bâ'-o or -bow'], city of Spain, II. 632 (ill.).

BILBERRY, shrub, II. 633 (ill.).

*Bil'bilis*, ancient town, III. 567, 1 a.

BILDERDIJK, Willem [bil'-der-dike], Dutch poet, II. 633. His second wife, poetess, 2 b.

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*Bile duct*, common, VII. 574, 2 ab.

BILED-UL-JERID: see BELED-UL-JERID.

BILFINGER, Georg Bernhard [bil'-fing-er], German philosopher, II. 636.

*Bilgewater*, in a ship, XIV. 864, 1 a.

BILGUER, Paul Rudolf von [bil'-gäir], German chess player, II. 636.

*Biliary concretions* (calculi), [bil'-ya-re], III. 570, 1 c; IV. 514, 1 bc.

BILIARY DUOTS, II. 636; X. 536, 2 c.

*Biliary fat*, IV. 514, 1 ab.

*Biliary sugar* (picromel), II. 634, 1 c.

BILIN [be-leen'], town of Bohemia, II. 636.

*Biline* [bil'-in], in bile, II. 634, 1 c.

BILIOUS FEVER, II. 637. Bilious attack, *ib.*, and XV. 397, 1 bc.

*Bilit* [be-leet?]: see MYLITTA.

*Biliverdine* [bi-liv'-er-din], (bile pigment), II. 633, 2 c; 634, 1 b and c.

*Bilkis*, reputed queen of Sheba, I. 620, 2 c.

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*Bill*, of an anchor, I. 465, 1 a.

*Bill book*, in bookkeeping, III. 81, 1 a.

BILL OF CREDIT, II. 639.

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BILL OF EXCHANGE: see EXCHANGE, and I. 56, 1 a (ACCEPTANCE). Rules of presentation, *ib.* Liability of acceptor and holder, 57, 2 c. Protest of foreign or inland bills, 58, 1 a.

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BILL OF LADING, II. 640.

*Bill of the papal guarantees*, by the Italian parliament, IX. 454, 2 a.

BILL OF RIGHTS, in the constitutional law of England, II. 640; of the United States, 2 b.

BILL OF SALE, II. 640.

*Billah*, Arabic title, III. 617, 2 a.

BILLAUD-VARENNE, Jean Nicolas [be-yō vā-rēn], French revolutionist, II. 640.

BIL'LE, Steen Andersen, Danish naval officer, II. 641.

*Billet*, in heraldry, VIII. 672, 2 b. See plate (after p. 670) on the left.

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BILLINGS, William, American composer, II. 643.

*Billingsgate*, fish market of London, X. 613, 2 c.

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*Billon* [bil'-lone; Fr. bē-yō<sup>re</sup>], debased silver, XII. 535, 2 b.

*Billroth* [bil'-rote], (Theodor, born 1829), his theory of inflammation, IX. 276, 2 c. On bacteria, XV. 285, 1 ab.

*Bills receivable*, in bookkeeping, III. 80, 2 a. Bills payable, *ib.*

*Billy-biter*, bird, XV. 775, 1 c.

*Bilon*, kind of madder, X. 816, 1 c.

BILSON, Thomas, English divine and author, II. 643.

*Bilsted*, tree, X. 518, 2 a.

BILSTON, town of England, II. 643.

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*Bim bashi*, Turkish military rank, XI. 361, 1 b.

BIMINI [be-mē'-ne], imaginary island, II. 644.

BI'XARY ARITHMETIC: see ARITHMETIC, I. 708, 1 c. Binary scale of numbers, *ib.*

*Binary compounds*, in chemistry, XII. 474, 2 c; XIV. 582, 2 b.

*Binary system of chemistry*, II. 87, 2 a. Binary theory, XIV. 582, 2 bc.

*Binary system in zoology*, VII. 267, 2 a.

*Binding of books*: see BOOKBINDING.

BINDRABUND', town of Hindostan, II. 644.

*Bindsheel* (convolvulus), V. 293, 1 a; black, XIII. 689, 1 a.

*Bing*, in preparing cotton for manufacture, V. 413, 1 c.

BING'EN, town of Hesse-Darmstadt, II. 644 (ill.).

*Bingerloch*, or Bingen hole, II. 644, 1 c.



BINGHAM, Joseph [bing'-um], English scholar, II. 645.

BINGHAMTON [bing'-um-tun], city of New York, II. 645.

*Bin'gium*, ancient town: see BINGEN.

BINGTANG', East Indian island, II. 645.

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BINNEY, Amos, American savant, II. 645.

BINNEY, Horace, lawyer, II. 645. (Died 1875.)

BINNEY, Thomas, English clergyman, II. 646.

*Binondo* [be-nōnō'-tho], suburb of Manila, XI. 109, 1 c, 2 a.

*Binoxalate of potash*, XII. 757, 2 b; 758, 1 a.

*Bintang*: see BINGTANG.

*Binue* [be-noo'-ā]: see BENOOWE.

BIOBIO [be-o-bē'-o], river of Chili, II. 646.

BIOLOGY, science of life, II. 646; I. 527, 1 b.

BI'OX, Greek poet, II. 646.

*Bi'oplum*, referred to, VII. 146, 1 a and b.

BIOT, Jean Baptiste [byo], French savant, II. 646.

*Biotite*, species of mica, XI. 491, 1 a.

*Bipennis*, kind of battle axe, II. 393, 2 b.

*Biphosphate of lime*, X. 479, 1 b.

BIPOXY EDITIONS (of the classics), II. 647.

*Bipontium*: see ZWEIFBRÜCKEN.

*Bipotassic sulphate*, XIII. 761, 1 c.

*Biquadratic equation*, first solved, XI. 276, 1 c.

*Biran*, *Maine de*: see MAINE DE BIRAN.

BIRCH [burch], tree, II. 647. White birch, 1 c (ills.). Weeping birch, 2 b (ill.). Black, paper, red, and dwarf birch, 648, 1 a, b.

BIRCH, Samuel, English Egyptologist, II. 648.

BIRCH, Thomas, D. D., English historian and biographer, II. 648.

*Birch agaric*, used for sharpening instruments, I. 173, 1 c.

*Birch bark*, uses of, II. 647, 2 a; 648, 1 a.

*Birch-bark tar*, X. 277, 1 ab.

BIRCH-PFEIFFER, Charlotte [beer'h'-pfi-fer], German actress and dramatist, II. 648.

BIRD, Edward, English painter, II. 648.

BIRD, Golding, English physician and author, II. 648.

BIRD, Robert Montgomery, American physician and author, II. 648.

BIRDE, William, English composer, II. 649.

BIRD ISLANDS, West Indies, II. 649.

BIRD LIME, II. 649.

*Bird mite*, VI. 695, 2 ab (ill.).

BIRD OF PARADISE, II. 649. Greater paradise bird, 2 c (ill.); red, 650, 2 c (ill.); king, 651, 1 b (ill., 650); superb, *ib.* (ill., 650); gold-

breasted, 1 a (ill.); twelve-wired, 2 c (ill.); long-tailed, *ib.* (ill.).

*Bird of Velez*, V. 86, 2 c.

*Bird pepper*, III. 761, 2 a.

BIRDS, II. 652. Their anatomy, 1 b; parts (ill.), 2 a; digestive apparatus (ill.), 653, 1 b; wing bones (ill.), *ib.*; voice, 2 b; brain, 654, 1 b; organs of sense, 1 c; propagation, 2 b. Mining birds, 655, 1 c. Ground builders, 2 a. Mound builders, 2 b. Masons, 2 c. Baker bird, *ib.* Carpenters, 656, 1 a. Platform builders, 1 ab. Basket makers, 1 b. Weavers, 1 c. Tailors, 2 a. Cementers, 2 b. Dome builders, 2 bc. Parasites, 2 c. Skeleton of birds, V. 174, 2 c; partial anatomy of, II. 687, 1 c.

*Birds*, in heraldry, VII. 673, 1 bc. See plate (after p. 670), on the right.

*Bird's-foot trefoil*, X. 648, 2 bc.

*Bird's head process*, organ of polyzoa, XIII. 691, 1 b.

BIRD'S NEST, Edible, II. 657; I. 299, 2 c.

*Bird's nest fern*, VII. 151, 2 c (ill.).

*Bird's nest fungus*, VII. 583, 2 ab.

*Bi'reme*, galley, VII. 575, 2 ab.

*Biren* [bē'-ren]: see BIRON, Ernest John.

*Birgus*, robber crab, V. 451, 1 b.

BIRKENFELD [beer'-ken-felt], German principality, II. 657.

*Birkenfeld line*, of Zweibrücken, XVI. 840, 1 a.

BIR'KENHEAD, town of England, II. 657. Park of, XIII. 103, 2 a (map).

BIRKENHEAD, Sir John, English writer, II. 658.

BIRKET-EL-KEROON' [beer'-ket], lake, II. 658.

*Birkett's circus*, New York, alluded to, II. 575, 1 c.

BIRMINGHAM [bur'-ming-um], town of England, II. 658; view, 659.

BIRMINGHAM, village of Connecticut, II. 660.

BIRMINGHAM, borough of Pennsylvania, II. 660.

BIRNAM, hill, Scotland, II. 660. Birnam wood, 2 ab.

BIRNEE, Old, town of Africa, II. 660.

BIRNEY, James G. [bur'-ne], American philanthropist and politician, II. 660. Defended by S. P. Chase in a prosecution for harboring a fugitive slave, IV. 327, 1 ab. David B., general, II. 660, 2 b. William, general, 661, 1 a. Fitz Hugh, colonel, *ib.*

*Birom's anemometer*, I. 490, 2 b.

BIRON, Armand de Gontant, duke de [bē-rōn], French general, II. 661. Charles de Gontaut, duke de, general, 1 b. Armand Louis de Gontaut (duke de Lauzun), duke de, 1 c.

BIRON, Ernest John, duke of Courland and regent of Russia, II. 661. Peter, 662, 1 a.

BIRE [bur]: see PARSONSTOWN.

BIRS NIMRUD [beerss nim-rood']: see BABEL, II. 180, 2 a, b, 181, 1 bc; BABYLON, 187, 2 a (ill.).

BIBSTALL [bur'-stul], parish of England, II. 662.

BIRTH: see OBSTETRICS; also ABORTION, and MEDICAL JURISPRUDENCE.

*Birthroot*, plant, XV. 867, 1 ab.

*Birzha* [beer'-zha], Russian exchange, VII. 21, 1 a.

BISACCIA [be-zât'-cha], town of Italy, II. 662.

BISACQUINO [be-zâk-kwé'-no], town of Italy, II. 662.

*Bisayas* [be-sâ'-yas], Malayo-Polynesian race, XI. 56, 1 a; XIII. 418, 1 b (Bisayans).

BIS'CAY, province of Spain, II. 662.

BISCAY, Bay of, II. 662.

BISCAY, New: see DURANGO.

BISCEGLIE [be-shâ'-lyâ], seaport of Italy, II. 662.

BISCHOF, Karl Gustav [bish'-ofe], German chemist and geologist, II. 662. On the genesis of minerals, XI. 590, 2 b.

BISCHOFF, Christoph Heinrich Ernst [bish'-uf], German physician, II. 662. Theodor Ludwig Wilhelm, anatomist and physiologist, 2 c. On the spontaneous ripening and discharge of ova, VI. 561, 1 c.

BISCHOFSWERDA [bish'-ofes-vâir-da], city of Saxony, II. 663.

*Bishop*, Simon [bis'-kop]: see EPISCOPIUS.

BISCHWEILER [bish'-vi-ler], town of Alsace, II. 663.

*Bischwiller* [bish'-vil-ler]: see BISCHWEILER.

*Biscuit* [bis'-kit], for earthenware, XIII. 790, 2 a; for porcelain, 791, 2 a.

*Bi'set*, wild rock pigeon, XIII. 504, 1 c.

*Bisexual animals*, I. 533, 2 b; VI. 370, 2 c; VIII. 683, 2 c; X. 310, 1 c.

*Bishroot*, I. 68, 1 b (ACONITE).

BISHOP, II. 663. In the Roman Catholic church, 2 a; Anglican, 664, 1 b; Protestant Episcopal, 1 c; Lutheran and Evangelical, 2 a; Greek, *ib.*; Methodist Episcopal, XI. 456, 2 a. Number of bishops in the world, II. 664, 2 a.

BISHOP, Sir Henry Rowley, English composer, II. 664. Anna Riviere, vocalist, 665, 1 a.

*Bishopric*, II. 664, 2 a.

*Bishops*, city of, XII. 748, 1 c.

BISHOP STORTFORD, town of England, II. 665.

BISMARCK-SCHÖNHAUSEN, Otto Eduard Leopold, prince [biss'-mark-shôn'-how-zen], German statesman, II. 665. His entrance into

the ministry, VII. 757, 1 b. His willingness to cede German territory to France asserted by Lamarmora, X. 118, 2 c. Attempted assassination of him, X. 19, 1 c. Interview with Favre to agree on conditions of peace between Germany and France, VII. 99, 1 ab; treaty signed, 1 c.

*Bism-Allah*, or Bism-Allah, Mohammedan grace before meat, I. 323, 1 bc (ALLAH).

BISMUTH [biz'-muth], metal, II. 666. Its use in thermometry, 2 b; in alloys, 667, 1 a; in thermo-electricity, 1 bc. Compounds and their uses, 1 b; in medicine, 1 c. Nitrate of, XII. 463, 2 bc. Magistrery of, *ib.*

*Bisnagur*: see BIJANAOUR.

BISON, II. 667. B. Americanus, 2 b (ill.).

BISSAGOS [bis-sâ'-goos], islands of Africa, II. 668.

BIS'SELL, William H., governor of Illinois, II. 668.

*Bissermians*, Finnish tribe, VII. 206, 2 c.

BISSET, Robert, English writer, II. 668.

*Bistort*, plant, XIII. 689, 1 a; ill., 688.

BISTRE [bis'-ter], a water color, II. 668.

BIS'TRITZ, town of Transylvania, II. 668.

*Bisulphide of calcium*, X. 478, 2 a; of carbon, III. 772, 2 b, and XV. 454, 2 c.

*Bisuton* [be-soo-toon']: see BEHISTUN.

*Bit*, for boring wood, varieties of, III. 98, 2 a -99, 1 a (ills.); of a drill, II. 697, 1 c.

*Bitche* [beech], town: see BIRSCH.

BITHOOR', town of Hindostan, II. 669. Ghauts on the Ganges, 1 a (ill.).

BITHYN'IA, ancient country of Asia, II. 669.

*Bitolia*, town: see MONASTIE.

BITON AND CLE'OBIS, in Greek legend, II. 669.

BITON'TO, town of Italy, II. 669.

BITSCH, town of Alsace-Lorraine, II. 669; view, 670.

*Bittaele*: see BINNACLE.

*Bitter ash*, tree, XIV. 132, 1 b.

*Bitter cups*, goblets of bitterwood, XIV. 132, 2 a.

BITTERFELD [bit'-ter-felt], town of Prussia, II. 670.

BIT'TERN, bird, II. 670. English bittern, 1 c (ill.); green, 2 a (ill.); least, 2 b (ill., 671).

*Bittern*, exhausted salt brine, bromine from, III. 307, 2 c, 308, 1 b; XIII. 693, 1 bc.

BITTER PRINCIPLES, II. 671.

*Bitter-root*, plant, IX. 244, 1 b.

*Bitter Root range*, Rocky mountains, XI. 771, 2 c.

*Bitter Root river*, Montana, XI. 772, 1 b, bc.

*Bittersweet*, plant, VI. 304, 2 b; XV. 155, 1 b (ill.). Climbing or shrubby, XVI. 517, 2 c.

*Bitter-sweet* (wild orange), XII. 664, 1 c.

*Bitterwood*, tree, XIV. 132, 1 b (ill.).

*Billis*: see *BETLIS*.

*BITTOOR*: see *BITHOOR*.

*Bitu* [be-too'], kind of bamboo, VII. 110, 2 a.

*BITUMEN*, II. 671. Varieties, 2 c. Of Hit on the Euphrates, 672, 1 c; of the Dead sea, 2 a; of Trinidad, *ib.* Preparation, 2 bc. Analysis, 2 c. Uses of the natural bitumens, 673, 1 ab. Origin of, 2 ab. Among the Greeks and Romans, XIII. 366, 2 b.

*Bituminous limestone*, II. 673, 1 bc. Bituminous mastic, 1 b.

*BITUMINOUS SHALE*, II. 673.

*Bituriges* [be-tu'-re-jeez], ancient people of Celtic Gaul, II. 581, 1 c; VII. 648, 2 a. Bituriges Cubi, in central Gaul, III. 157, 2 b; 159, 2 a. Bituriges Vivisci, of southern Gaul, III. 90, 2 ab.

*Bituatu* [be-too-va-too'], kind of bamboo, VII. 110, 2 a.

*BIRZUS*, Albert [bit'-se-oos], Swiss author, II. 673.

*Biu-biu*, river, II. 646, 2 a (*BIOBIO*).

*Bivalve shells*, V. 198, 2 a, ff (ills.); 201, 2 a (ill.).

*Bivar*, *Rodrigo Diaz de* [be-var'], the Cid, I. 293, 2 c.

*Bica* [be'-wa], Japanese stringed instrument, IX. 537, 1 c.

*BIZERTA* [be-zër'-ta], seaport of Tunis, II. 673.

*BjÖRLING*, Carl Olaf [byör'-ling], Swedish prelate and author, II. 673.

*BjÖRNEBORG* [byör'-nëh-borg], seaport of Finland, II. 674.

*BjÖRNSON*, Björnstjerne [byörn'-son], Norwegian author, II. 674.

*BjÖRNSTJERNA*, Magnus Fredrik Ferdinand [byörn-shäir'-na], Swedish statesman and author, II. 674.

*BLAS*, Pierre Louis Jean Casimir, duke de [blä-kä], French statesman, II. 674.

*BLACK*, Adam, Scottish publisher, II. 674.

*BLACK*, Jeremiah S., American lawyer, II. 674.

*BLACK*, Joseph, Scottish chemist, II. 674. Discoverer of carbonic acid gas, III. 773, 2 ab. His investigation of the alkalies, IV. 361, 1 c. His theory of caloric, VIII. 567, 2 bc; of latent heat, 576, 2 bc; experiments on specific heat, 573, 1 c, 2 bc.

*Black alder*, shrub, XVI. 673, 2 c.

*BLACK'ALL*, Offspring, English prelate, II. 675.

*Blackband ores* (iron), IX. 409, 1 ab, 2 a.

*Black Barthel* [bar'-tel]: see *SCHWARTZ*, Berthold, XIV. 689, 1 c.

*Black basalt ware*, referred to, XIII. 783, 1 ab.

*BLACKBERRY*: see *BRAMBLE*. Common blackberry, III. 207, 1 c. High blackberry, 2 bc (ill., 208). Low bush blackberry, *ib.* See *RASPBERRY*, XIV. 209, 2 a.

*BLACKBIRD*, county, II. 675.

*BLACKBIRD*, European, II. 675 (ill.). Red-winged, of New England, 2 b (ill.). In the northwestern states and Canada, 676, 1 b.

*Black book of the admiralty*, I. 124, 2 c.

*Black boy*, tree of Australia, II. 131, 1 a; VIII. 171, 2 ab.

*Black buffalo*, fish, XV. 437, 1 a.

*BLACKBURN*, town of England, II. 676.

*Black Calmucks*, XI. 747, 1 b.

*BLACK'CAP*, bird, II. 676. European, 1 c (ill.). American, 2 b.

*Blackcap*, raspberry, XIV. 210, 1 b.

*Black-capped titmouse*, XV. 775, 1 a.

*Black cardinals*, II. 577, 1 c. Banished by Napoleon, III. 47, 2 b.

*Black Castle of Opium*: see *AFIUM KARA-HIS-SAR*.

*Black cat* (fisher), VII. 223, 1 b.

*Black chalk*, IV. 232, 1 c.

*BLACKCOCK*, game bird, II. 676; ill., 677.

*Black cohort*, in the peasants' war, XIII. 216, 2 a.

*BLACK DEATH*: see *PLAGUE*, XIII. 567, 1 c. In Basel, II. 358, 1 b. In Norway, XII. 511, 1 a. Horrible persecution of the Jews occasioned by it, VIII. 597, 1 a.

*Black drink*, XVI. 773, 2 a (*YACON*).

*Black drop* (vinegar of opium), XII. 648, 2 ab. "Black drop," in a transit of mercury, XI. 405, 1 c.

*Black eagle*, Prussian order of the, founded, VII. 454, 2 a.

*BLACKFEET*, Indian tribe, II. 677; XII. 503, 2 a. Blackfeet confederacy, allusion to, I. 633, 1 a.

*BLACKFISH* (tuntog), II. 677 (ill., 678).

*Blackfish* (dolphin), VI. 193, 1 a.

*Black-fish whale* (grampus), VIII. 147, 1 b.

*BLACK FLUX*, II. 678; V. 469, 1 c.

*BLACK FLY*, II. 678; VI. 129, 1 c.

*BLACKFORD*, county, II. 678.

*BLACK FOREST*, II. 678; 209, 2 a, c.

*Black friars*, II. 113, 2 b.

*Blackfriars bridge*, London, X. 592, 1 b.

*Black grass*, XIV. 471, 2 a.

*Black grotto*, near Adelsberg, I. 114, 1 c.

*Black grouse*: see *BLACKCOCK*.

*BLACK GUM*, tree, II. 679 (ills.).

- Black hawk*, bird, III. 507, 1 a (ill., 506).  
**BLACK HAWK**, Indian chief, II. 679.  
**BLACK HAWK**, county, II. 680.  
*Black-head*, duck, III. 733, 2 ab; 734, 1 a.  
*Black-headed saki*, monkey, XI. 751, 2 c.  
*Black helmet*, cameo shell, III. 652, 2 a.  
**BLACK HILLS**, II. 680; XIV. 375, 2 c; XVI. 749, 2 c.  
**BLACK HOLE**, Calcutta, II. 680. Monument (ill.), *ib*.  
*Black horse*, fish, XV. 437, 1 a.  
**BLACKIE**, John Stuart, Scottish author, II. 680.  
**BLACKING**, for leather and iron, II. 681.  
**BLACK JACK**, ore: see **BLENDE**, II. 708, 2 c.  
*Black-jack*, tree, XII. 555, 2 a.  
**BLACK LEAD**: see **GRAPHITE**.  
**BLACKLOCK**, Thomas, D. D., blind Scottish clergyman, II. 681.  
*Black magic*, V. 795, 1 c.  
**BLACK MAIL**, II. 681.  
**BLACKMAN**, George Curtis, American surgeon, II. 681.  
*Black martin*, bird, XV. 520, 1 a.  
*Black medick*, plant, X. 703, 2 a.  
**BLACKMORE**, Sir Richard, English physician and writer, II. 681.  
*Black mountain*, on the shore of Lake George, VII. 712, 2 c. Rogers's leap, *ib*.  
**BLACK MOUNTAINS**, of the Appalachian system, II. 682.  
*Black mountains*, of Africa, II. 798, 1 ab; of Circassia, IV. 603, 1 c.  
*Black Paucnees*: see **RICKAREES**.  
*Black pilot* (rudder fish), XIV. 402, 2 bc.  
*Black Prince*: see **EDWARD**, prince of Wales.  
*"Black obelisk king,"* II: 34, 1 c.  
*Black quarter*, murrain, XII. 61, 1 b.  
**BLACK RIVER**, of New York, II. 682. See **BIG BLACK RIVER**.  
*Blacks*, a Guelphic faction at Florence, VIII. 297, 1 b.  
*Black saki*, monkey, XI. 751, 2 c.  
**BLACK SEA**, II. 682. Its opening from the Bosphorus (ill.), 683. Made free to the commerce of all nations by the treaty of Paris, X. 224, 2 a. Deneutralization of it, I. 285, 1 a: see XIV. 493, 2 a, and XVI. 62, 1 c.  
*Black'shear*, county seat, XIII. 501, 2 ab.  
**BLACK SILVER**, II. 683.  
**BLACK SNAKE**, II. 684 (ill.).  
*Black snake-root*, IV. 583, 1 bc; V. 22, 2 bc.  
**BLACKSTONE**, town of Massachusetts, II. 684.  
**BLACKSTONE**, William, first white inhabitant of Boston, II. 684.
- BLACKSTONE**, Sir William, English lawyer, II. 684.  
*"Black stone,"* the, in the Caaba, XI. 314, 2 c.  
**BLACKSTONE RIVER**, II. 685. Blackstone canal, 1 b.  
*Black stream* (Japan current), XII. 781, 2 ab.  
*Black and tan* (terrier), XV. 662, 2 c.  
*Blackthorn*, tree, XIII. 620, 2 ab; XV. 106, 2 c (ill., 107).  
*Black tongue*, fever, VII. 169, 2 bc; murrain, XII. 61, 1 b.  
**BLACK VOMIT**, II. 685; VII. 166, 2 a.  
**BLACKWALL**, suburb of London, II. 685.  
**BLACK WALNUT**: see **WALNUT**.  
**BLACK WARRIOR**, river of Alabama, II. 685.  
*Black wart*, disease in the plum tree, XIII. 621, 1 a.  
**BLACK-WATER**, river of Ireland, II. 685.  
*Black-water streams*, of Brazil, III. 220, 1 c.  
**BLACKWELL**, Alexander, Scottish physician, II. 685.  
**BLACKWELL**, Elizabeth, American physician, II. 685. Emily, 2 c. See XVI. 701, 2 ab.  
**BLACKWELL'S ISLAND**, New York, II. 686.  
**BLACKWOOD**, William, Scottish publisher, II. 686.  
*Blackwood's Edinburgh Magazine*, II. 686, 1 a; X. 568, 2 b; XIII. 296, 1 b; XVI. 652, 2 c.  
**BLADDER**, II. 686.  
*Bladder-ketmia*, plant, VIII. 713, 2 c.  
*Bladder-weed*, species of algæ, I. 299, 2 a; VII. 515, 1 a. Charcoal of, as a medicine, 2 b.  
*Bladderwort*, marsh plant, XVI. 237, 2 c (ill., 238).  
*Blade of an anchor*, I. 465, 1 a.  
*Blade of a leaf*, X. 264, 1 c; 266, 1 a, bc.  
**BLA'DEN**, county, II. 687.  
**BLADENSBURG**, town of Maryland, II. 687.  
**BLAGOVIESHTCHENSK** [blà-go-ryesh-chensk'], a town of Asiatic Russia, II. 687.  
**BLAINE**, Ephraim, American soldier, II. 687. James Gillespie, statesman, 2 bc.  
**BLAINVILLE**, Henri Marie Ducrotay de [dâh blâ'-veel], French naturalist, II. 687. His classification of birds, XII. 706, 1 a; of fishes, IX. 160, 1 bc; of mammals, XI. 80, 1 c, 81, 2 b; of reptiles, VIII. 693, 1 bc. His theory of the anatomy of the head, XIII. 423, 1 c.  
**BLAIR**, county, II. 688.  
**BLAIR**, Francis Preston, American journalist, II. 688 (died 1876). Montgomery, lawyer and politician, 2 b. Francis Preston, jr., lawyer and soldier, 2 c (died 1875).

BLAIR, Hugh, Scottish divine and author, II. 689.

BLAIR, James, American clergyman and teacher, II. 689.

BLAIR, John, Scottish chronologist and geographer, II. 689.

BLAIR, Robert, Scottish poet, II. 689.

*Blair's process of making steel*, IX. 403, 2 a.

BLAIRSVILLE, borough of Pennsylvania, II. 689.

*Blairsville*, county seat, XVI. 111, 2 c.

*Blazot* [blā-zō], librarian to Louis XVI., imprisonment in the Bastille, II. 376, 1 c.

BLAKE, George Smith, American naval officer, II. 689.

BLAKE, John Lauris, American author and clergyman, II. 689.

BLAKE, Robert, English admiral, II. 690.

BLAKE, William, English artist and poet, II. 690. His process of etching upon copper, 691, 1 a; X. 526, 1 b.

*Blakely*, county seats, II. 238, 1 a; VI. 354, 1 c.

BLAKELY, Johnston, American naval officer, II. 691.

*Blakely gun*, I. 793, 2 c; III. 712, 2 a (ill.).

*Blake's safety explosive*, VII. 30, 1 c.

BLAKEY, Robert, English metaphysician and author, II. 692.

BLANC, Jean Joseph Louis [blā<sup>n</sup>], French political and historical writer, II. 692. Auguste Alexandre Charles, engineer and art critic, 2 c; duel with Lacombe, X. 83, 1 c.

BLANC, Le [lūh blā<sup>n</sup>], town of France, II. 693.

BLANC, Mont: see MONT BLANC.

*Blanc fixe* [blā<sup>n</sup> feex], white pigment, II. 313, 1 c.

BLANCHARD, Émile [blā<sup>n</sup>-shar], French naturalist, II. 693.

BLANCHARD, François, French aéronaut, II. 693; I. 146, 1 c. Marie Madeleine Armant, aéronaut, II. 693, 1 c; I. 146, 2 b. Her tragic fate, *ib*.

BLANCHARD, Henri Pierre Léon Pharamond, French painter, II. 693.

BLANCHARD, Laman, English writer, II. 693.

BLANCHARD, Thomas, American mechanic and inventor, II. 693. His turning machine, XVI. 74, 2 b.

BLANCKE, August [blā<sup>n</sup>-sh], Swedish poet, II. 693.

BLANCHE OF BOURBON, queen of Castile, II. 693.

BLANCHE OF CASTILE, queen of France, II. 694; X. 652, 1 ab.

*Blanche of France*, daughter of St. Louis, X. 81, 1 ab and b.

BLANCO, county, II. 694.

BLAND, county, II. 694.

BLAND, Theodorie, American patriot and soldier, II. 694.

BLANDRATA, Giorgio [blān-drā'-ta], Italian Unitarian, II. 695; I. 262, 1 a.

BLANGINI, Giuseppe Marco Maria Felice [blān-jē'-ne], Italian composer, II. 695.

*Blank* (card), in faro, VII. 89, 1 b.

BLANKENBURG [blān'-ken-boorg], circle in the duchy of Brunswick, II. 695. Town, 2 ab.

*Blanket of the whale*, XVI. 581, 2 b.

BLANK'HOFF, Jan Teunisz, Dutch painter, II. 695.

*Blanks*, in pen making, XIII. 243, 2 b.

BLANQUET, Jérôme Adolphe [blā<sup>n</sup>-kē], French political economist, II. 695. Jean Dominique, 2 c. Louis Auguste, revolutionist, 696, 1 a.

*Blari'na* (zoölogy), XV. 8, 1 a. B. talpoides, *ib*. (ill., 7).

BLARNEY, village of Ireland, II. 696. Blarney castle, *ib*. (ill.). Blarney stone, 1 c.

BLAS'PHEMY, in law, II. 696.

*Blast*, hot, in smelting furnaces, II. 743, 1 c. See IX. 394, 1 a, ff.

*Blast furnace*, II. 741, 2 bc; VII. 542, 1 c; IX. 392, 1 b, ff. (ills., 393, 394).

BLASTING, II. 697. Implements, 1 b; 699, 1 b. Sand blast, 697, 2 b. Excavation by fire, 2 c. Blasting with the galvanic battery, 698, 1 b; at the Hollyhead quarries, 2 a (ill.). Choice of explosive compound, 2 c. Surface blasting, 699, 2 c. Mountain tunnelling, 700, 1 c. Drill at work (ill.), *ib*. Stopping (ill.), 2 a. Hoosac tunnel, 701, 1 a. Submarine blasting, 1 ab; coffer dam, *ib*. (ill.). Removal of Blossom rock, 2 a (ills., 702); of obstructions at Hellgate, 702, 2 a (ill.).

*Blasting powder*, composition of, VIII. 331, 2 ab.

*Blastocerus* (zoölogy), V. 758, 2 a. B. paludosus, *ib*. (ill.). B. campestris, *ib*.

*Blastodermic membrane*, VI. 561, 2 bc.

*Blatta* (entomology), IV. 788, 2 b. B. orientalis, 2 c. B. Americana ferruginea, XI. 292, 1 bc.

*Blavia*: see BLAYE.

BLAYE [blā], town of France, II. 703. Citadel, prison of the duchess of Berry, *ib*. "Ex-jailer of Blaye," III. 417, 2 bc.

*Blaze de Bury*: see BURY, Ange Henri Blaze de.

*Blazing off*, in saw making, XIV. 651, 2 a.

*Blazonry*: see HERALDRY, and TOURNAMENT, XV. 824, 2 a.

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*Cinelo-des* (ornithology), XII. 745, 2 a.  
*Cinelus* (ornithology), XII. 744, 1 c. C. Americanus, 2 a. C. aquaticus, *ib.*  
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*Cinder pig*, in iron manufacture, IX. 400, 2 b.  
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*Cingales'*, inhabitants of Ceylon, IV. 220, 2 bc (ill., 221); IX. 213, 2 c, 214, 2 bc.  
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 CINNABAR, ore of mercury, IV. 599. Artificial, 600, 1 a. Brunner's process, 1 bc.  
*Cinnamomum cassia* (botany), IV. 63, 2 a (ill.); 601, 1 ab. C. Ceylonicum, II. 314, 1 bc.  
 CINNAMON, bark, IV. 600. Cinnamon tree, 1 c (ill.); II. 314, 1 c. Uses of cinnamon, IV. 601, 1 a.  
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 CINQ-MARS, Henri Coiffier de Ruzé, marquis [sā'-maree], French conspirator, IV. 601; XIV. 318, 1 a.  
*Cinque cento* [ching'-kwā chen'-to], in architecture, I. 664, 2 bc; in literature and art, IX. 461, 1 b.

CINQUE PORTS [sink], channel ports of England, IV. 601. Lord warden of the, 2 bc. Barons of the, 2 c.  
 CIN'TRA, town of Portugal, IV. 601. Penha convent, 602, 1 a (ill.). Convention of, *ib.* Beekford's palace at, II. 442, 2 c.  
 CIONE, Andrea di [cho'-nā]: see ORCAGNA.  
 CIOTAT, La [lā se-o-tā], seaport of France, IV. 602.  
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*Cippus Abellinus*, ancient brass tablet with Oscan inscription, IX. 440, 1 ab.  
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*Circle of Ullou*, or white rainbow, VIII. 406, 1 a.  
*Circle of Willis*, in anatomy, I. 458, 2 b.  
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*Circuits*, Methodist, XI. 451, 2 b.  
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*Circular system*, in fortification, VII. 329, 2 c.  
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*Circumflexus palati* (anatomy), XII. 817, 2 a.

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*Circumvallation*: see SIEGE, XV. 27, 1 a; 28, 2 b.

CIRCUS, Roman, IV. 611. Circus maximus, 1 bc; other circuses, 2 a. Modern circuses, 2 b.

*Circus* (ornithology), VIII. 475, 2 b. C. Hudsonius, 2 c. C. cyaneus, 476, 1 bc (ill.).

Other species, *ib*.

CIRENCESTER [sis'-es-ter], town of England, IV. 611.

*Cire perdue* [seer päir-dü], (waste wax), use in modelling, II. 354, 2 a.

CIRILLO, Domenico [che-reel'-lo], Italian republican and naturalist, IV. 612.

*Cirrhopoda*: see CIRRIPEDES.

*Cirrho'sis*, degeneration of the liver, X. 538, 1 c; VI. 266, 1 b.

CIRRIPEDES [sir'-re-peeds; Lat. sir-rip'-e-deez], crustaceans, IV. 612 (ill.).

*Cir'sium* (botany), XV. 712, 2 a.

CIRTA [sur'-tä], ancient city of Numidia, IV. 612.

CISALPINE REPUBLIC [sis-al'-pin], IV. 612; III. 39, 2 a; IX. 451, 1 ab.

*Cisleithan Austria* [sis-h'-than]: see CISLEITHANIA.

CISLEITHANIA, part of the Austro-Hungarian monarchy, IV. 613.

CISPADANE REPUBLIC, IV. 613.

*Cisplatina* [sis-plä-tē'-na], former Brazilian province, XVI. 228, 1 c.

CISSEY, Ernest Louis Octave Courtot de [däh sees-sä], French soldier, IV. 613.

*Cissia*: see SUSIANA.

*Cissoid*, in analytical geometry, I. 456, 1 b.

CISTERCIANS, IV. 613; XI. 730, 1 b. Cistercian monk (ill.), IV. 613.

*Cistudo Blandingii* (zoölogy), XV. 811, 2 a. C. Virginea, clausa, or Carolina, 812, 1 c (ill.).

*Citadel*: see FORTIFICATION, VII. 330, 1 ab.

CITEAUX [se-tō], hamlet of France, and Cistercian abbey, IV. 614.

CITHÆRON, range of mountains in Greece, IV. 614; II. 94, 1 b. Cithæronian lion, IV. 614, 1 c.

*Cith'ara*: see LYRE, X. 759, 2 b.

*Cities of refuge*, VIII. 584, 2 bc.

*Citium* [sish'-e-nm]: see LARNAKA.

CITIZEN, IV. 614. Law of citizenship, 2 a.

*Citoyen* [se-twä-yä'ne]: see MONSIEUR.

*Cit'rate of lime*, IV. 615, 1 a. Of magnesia, X. 852, 1 bc, c. Of potash, XIII. 764, 1 a.

CITRIC ACID, IV. 614. Adulteration of, 615, 1 c; how detected, *ib*.

CITRON, fruit, IV. 615. Citron tree, 2 a (ill.). Green citron melon, XI. 373, 1 ab (ill.).

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*Citronelle* [sit-ro-nel'], grass, VIII. 167, 2 ab.

*Citrullus colocynthis* (botany), V. 81, 2 a (ill.).

C. vulgaris, XI. 373, 2 bc (ills.); 372, 1 bc.

*Ci'trum*, ancient town, XIV. 103, 1 b (PYDNA).

*Citrus*, town: see CITRUM.

*Cit'rus* (botany), XII. 661, 2 c; 662, 1 a. C. aurantium, 661, 2 b (ill.). C. deliciosa, 663, 1 c. C. margarita, II. 555, 2 a (ill.). C. medica, IV. 615, 2 a (ill.); referred to, X. 336, 1 c, XII. 662, 1 c. C. limonium, X. 336, 1 bc. C. limetta, lima, or acida, 480, 1 c. C. decumana, XIV. 808, 1 a, c (ill.).

*Città Leonina* [cheet-tä' lä-o-nē'-na]: see LEONINE CITY.

*Città Notabile* [-bē'-lä]: see CITTÀ VECCHIA.

CITTÀ VECCHIA [vek'-kya], city of Malta, IV. 616.

*City*: see TOWN, XV. 828, 2 a.

*City, the* (London), X. 591, 1 c; 612, 1 ab.

*City of kings* (Cashel), IV. 53, 2 c.

*City of the plague* (Astrabad), II. 41, 2 c.

*City road*, London, X. 593, 1 bc.

*Ciudad Bolívar* [thu-thäth' bo-lē'-var]: see ANGOSTURA (city).

CIUDAD REAL [rä-äl']: see SAN CRISTÓBAL.

CIUDAD REAL, province of Spain, IV. 616. Capital city, 1 c.

CIUDAD RODRIGO [ro-thre'-go], town of Spain, IV. 616.

*Cives*: see ONION, XII. 631, 2 b (ill.).

CIV'ET, digitigrade mammal, IV. 617 (ill.).

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CIVIALE, Jean [se-vyäl], French surgeon, IV. 617.

*Cividale del Friuli* [che-ve-dä'-lä del fre-oo'-le]: see FRIULI.

*Civil freedom in England*, its foundation in a clause of the Magna Charta, V. 151, 2 a.

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*Civilization*, Buckle's theory of the causes of its progress, III. 389, 1 c.

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- dects, 2 a; manner of citing them, 624, 1 c.  
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- Civil liberty, English*, progress of, VI. 621, 1 c.
- Civil suits*, proceedings in, XIV. 25, 1 ab.
- Civil war*, between Charles I. and parliament, commencement of, XI. 539, 1 a; IV. 280, 2 ab; VI. 613, 2 a.
- CIVITÀ CASTELLANA [che-ve-tá' kás-tel-lá'-na], town of Italy, IV. 626 (ill.).
- CIVITÀ DI PENNE [de pen'-ná], IV. 627.
- Cività Lavigna* [lá-vě'-nyá]: see LANUVIUM.
- Civitas Eburac'ium*: see ÉVREUX.
- Civitas Ecolismen'sium*: see ANGOULÊME.
- Civitas Seno'num*: see SENS.
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- CIVITÀ VECCHIA [che-ve-tá' vek'-kya], seaport of Italy, IV. 627 (ill.).
- CLACKMAN'NASHIRE, county of Scotland, IV. 627.
- Cladonia coccinea* (botany), X. 408, 2 b (ill.).
- C. rangiferina*, 410, 2 bc.
- Cladospodium*, fungus, VII. 532, 2 a; XI. 2 a.
- Cladrasis tinctoria* (botany), XVI. 371, 1 c (ill.).
- Claylin university*, South Carolina, XV. 197, 2 a.
- CLAIBORNE [klá'-burn], three counties, IV. 627.
- CLAIRAUT, Alexis Claude [klá-rō], French mathematician, IV. 628. See COMET, V. 140, 2 a.
- CLAIRFAIT: see CLERFAIT.
- CLAIRON, Claire Joséphe Hippolyte Leyris de Latude [klá-rō<sup>ne</sup>], French actress, IV. 628.
- CLAIRVAUX [kláir-vō], village of France, IV. 628. Monastery of, 1 c; II. 573, 1 bc.
- Clairvoy'ance*, I. 526, 1 b; XV. 275, 2 c.
- CLAJUS, Johann [klá'-yoos], German clergyman and author, IV. 628. Johann, clergyman and poet, 2 c.
- CLALLAM, county, IV. 628.
- CLALLAMS, tribe of Indians, IV. 629.
- CLAM, IV. 629. Giant clam, 1 b (ill.). Soft clam, 1 c, 2 a (ill.). Hard clam or quahang, 1 c (ill.). Broad sea clam, *ib.* Fresh-water clams, 1 c-2 a.
- CLAMECY [klám-sē], town of France, IV. 629.
- Clamp*, for baking bricks, III. 267, 1 a.
- Clamps of peat*, XIII. 218, 2 b.
- Clam Shell cave*, in Staffa, XV. 301, 1 a.
- Clans*, Scottish highland tribes, XIV. 700, 2 b.
- CLANWILLIAM, district of Cape Colony, IV. 630.
- CLAP, Thomas, American clergyman, IV. 630.
- CLAPARÈDE, Édouard [klá-pá-raid], French naturalist, IV. 630.
- Clapham sect*, referred to, X. 769, 1 a.
- CLAPISSON, Louis [klá-pē-sō<sup>ne</sup>], French composer, IV. 630.
- CLAPP, Theodore, American clergyman, IV. 630.
- Clapper rail*, bird, XIV. 169, 1 c.
- CLAPPERTON, Hugh, English traveller, IV. 630; I. 170, 2 bc.
- Claquato*, county seat, X. 383, 2 b.
- CLARAC, Charles Othon Frédéric Jean Baptiste, count [klá-rāk], French antiquary and artist, IV. 631.
- CLARE, county of Michigan, IV. 631.
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- CLARE, John, English poet, IV. 631.
- CLAREMONT', town of New Hampshire, IV. 631.
- CLAREMONT, English royal palace, IV. 631.
- Clarence, duke of*, brother of Edward IV., VI. 436, 2 bc, 437, 1 b; XVI. 468, 1 b, ff. Brother of Edward V., murdered in the tower of London, VI. 437, 2 bc. See WILLIAM IV., XVI. 631, 2 b.
- CLARENDON, county, IV. 631.
- CLARENDON, Edward Hyde, earl of, British statesman and historian, IV. 632. Edward Hyde, third earl of: see CORNBURY.
- CLARENDON, George William Frederick Villiers, fourth earl of, British statesman, IV. 634. Edward Hyde Villiers, fifth earl of, 635, 1 b.
- Clarendon*, constitutions or customs of, VIII. 642, 2 c; II. 441, 1 b (twice); V. 149, 2 a. Referred to, IV. 635, 1 c.
- CLARENDON PARK, locality in England, IV. 635.
- Clarendon press building*, Oxford, XII. 763, 2 a.
- Clarenines* [klár'-e-nins]: see FRANCISCANS, VII. 425, 2 c.
- Clares, Poor*, order of, VII. 427, 1 a.
- CLARET: see FRANCE, Wines of, VII. 411, 1 a, and XV. 225, 1 bc.
- CLARETIE, Jules Arnaud [klá-rūh-sē], French author, IV. 635.
- CLARI, Giovanni Carlo Maria [klá'-re], Italian composer, IV. 635.
- Clarichord*: see CLAVICHORD.
- Clarinda*, county seat, XII. 789, 2 b.
- CLARINET', musical instrument, IV. 635.
- CLAR'ION, county, IV. 635.
- CLARK, five counties, IV. 685.
- CLARK, Abraham, American patriot, IV. 636.
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- CLARK, Davis Wasgatt, American clergyman and author, IV. 637.
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CLARK, Lewis Gaylord and Willis Gaylord, American journalists, IV. 637.

CLARK, Thomas March, American bishop, IV. 637.

CLARKE, nine counties, IV. 637.

CLARKE, Adam, British clergyman, IV. 638.

CLARKE, Charles Cowden, English author, IV. 639. (Died 1877.)

CLARKE, Edward Daniel, English traveller and mineralogist, IV. 639.

CLARKE, Henri Jacques Guillaume, count d'Hunnebourg, duke de Feltre, and marshal of France, IV. 639.

CLARKE, Hyde, English engineer and author, IV. 640.

CLARKE, James Freeman, American clergyman, IV. 640.

CLARKE, John, one of the founders of Rhode Island, IV. 640.

CLARKE, McDonald, American poet, IV. 641.

CLARKE, Mary Anne, mistress of Frederick, duke of York, IV. 641; VII. 709, 1 b.

CLARKE, Mary Victoria Cowden, English authoress, IV. 641. Her "Concordance to Shakespeare," 2 b.

CLARKE, Samuel, English clergyman, IV. 641; XI. 807, 1 b, 812, 1 b (MORAL PHILOSOPHY).

CLARKE, William, American soldier, IV. 642.

CLARKE'S FORK, branch of the Columbia river, IV. 642.

Clarksville, county seat, VIII. 365, 1 c.

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CLARKSON, Thomas, English philanthropist, IV. 642. His agitation against the slave trade, 2 c, ff.; its success, 643, 1 b. Emancipation in the West Indies, 1 c.

Clarksville, county seats, IX. 656, 2 a; XI. 787, 1 a; XIV. 237, 2 a.

Clarus Mons, castle of, IV. 673, 1 c.

Clary, a species of sage, XIV. 518, 2 c.

Classen, Australian explorer, X. 326, 2 bc.

Classics, discoveries of: see MAI, Angelo; PETRARCH, XIII. 364, 1 c; NIEBUHR, XII. 438, 1 a; MANUSCRIPT, XI. 132, 1 c, 2 a, ff.

Classic school, in French art, XII. 802, 1 c.

Classis, in the Reformed (Dutch) church in America, XIV. 258, 1 a.

Class leader, Methodist, XI. 452, 2 c.

CLASTIC ANATOMY: see ANATOMICAL PREPARATIONS, I. 460, 1 b.\*

Clathrus, fungus, odor of, VII. 530, 1 bc; 533, 2 b.

CLATSOP, county, IV. 643.

CLAUDE, Jean [klode], French Protestant cler-

gyman, IV. 643. His views of the Augsburg Confession, X. 733, 2 a.

CLAUDE LORRAINE, French painter, IV. 643. His books of drawings, 644, 1 ab. His landscapes, 1 b.

Claudia Castra, ancient city, VIII. 38, 1 a.

CLAUDIAN (Claudius Claudianus), Roman poet, IV. 644; X. 200, 2 a.

CLAUDIA QUINTA, Roman matron, IV. 644.

CLAUDIUS, name of two Roman emperors, IV. 644. Tiberius Claudius Drusus Nero Germanicus, 2 bc. Marcus Aurelius Claudius Gothicus, 645, 1 b.

Claudius, emperor, decree restricting new year's presents, XII. 351, 2 c.

CLAUDIUS, Matthias [klow'-de-oos], German writer, IV. 645.

CLAUDIUS CÆCUS, Appius, Roman censor, IV. 645.

CLAUDIUS CRASSUS, Appius, Roman decemvir, IV. 645.

CLAUDIUS NERO, Roman general, IV. 646.

CLAUDIUS NERO, Tiberius, father of the emperor Tiberius, IV. 646.

CLAUSEL, Bertrand, count [klo-zël], French soldier, IV. 646.

CLAUSEN, Henrik Nikolai [klow'-zen], Danish theologian and statesman, IV. 647.

CLAUSENBURG: see KLAUSENBURG.

Clausenette, Mme. de [kloze-nët], I. 362, 1 a.

Clausen'tum, Roman camp in England, remains of, XV. 189, 1 ab.

CLAUSEWITZ, Karl von [fön klow'-zëh-vits], Prussian soldier and military writer, IV. 647.

Claussen's flax cotton, VII. 264, 2 a.

CLAUSTHAL [klowce'-tâl], town of Prussia, IV. 647.

Clavaria, fungi, VII. 533, 2 bc.

Clavenna: see CHIAVENNA.

Claverack Landing, town, IX. 28, 2 a.

Claverhouse [klav'-er-us]: see GRAHAM, John.

CLAVICHOEN [klav'-e-kord], musical instrument, IV. 647; XII. 79, 1 b; XIII. 488, 1 a.

Clavicith'rium, musical instrument, XIII. 488, 1 a.

CLAVICLE, collar bone, IV. 647.

CLAVIÈRE, Étienne [klä-vyär], banker of Paris, IV. 648.

Claviform inscriptions, V. 570, 2 c.

CLAVIGERO, Francisco Saverio [klä-vij'-e-ro; Sp. klä-vé'-hã-ro], Mexican historian, IV. 648.

Clavigo [klä-vé'-go], Goethe's drama: see BEAUMARCHAIS, II. 428, 2 a, and CLAVIGO Y FARRASO, IV. 648, 2 a.



CLAVIJO, Ruy Gonzalez de [klá-vē'-tho], Castilian ambassador to Tamerlane, IV. 648.

CLAVIJO Y FAXARDO, José [e fá-'har'-tho], Spanish author, IV. 648; II. 428, 2 a.

*Clarissium*: see CHIVASSO.

CLAY, an earth, IV. 648. Artificial, 2 bc. Fat or long, 649, 1 ab; lean, meagre, or short, *ib.* Poreclain clay, 1 b. Potters' or plastic, 2 a. Pipe clay, *ib.* Brick clay, 2 b. Clay for fire brick, 2 bc. Porous, floating on water, 650, 1 b (see BRICK, III. 268, 1 c). Fullers' earth, 2 a.

CLAY, name of sixteen counties, IV. 650.

CLAY, Cassius Marcellus, American politician, IV. 651.

CLAY, Clement Comer, politician, IV. 652.

CLAY, Green, soldier and preacher, IV. 652.

CLAY, Henry, American statesman, IV. 652. Advocates gradual emancipation in Kentucky, 2 c; 655, 2 a. U. S. senator, 653, 1 a. His proposition for internal improvements, *ib.* Duel with Humphrey Marshall, 1 b. Representative in congress, and speaker, 1 c. His support of the war with Great Britain, 2 a. Peace commissioner, 2 b. Advocates protection and a national bank, 2 c. The Missouri compromise, 654, 1 a. Charge of bargain and corruption, 1 c; I. 103, 1 bc. Duel with Randolph, IV. 654, 1 c. Secretary of state, *ib.* U. S. senator, 2 a. His tariff compromise, *ib.* French spoliations, 2 b. Leader of the whig party, 655, 1 ab. Candidate for the presidency, 1 c. His resolutions relating to slavery, 2 a. Consistency of his political views, 2 c.—His sons, Henry, James B., and Thomas Hart, 656, 1 a.

CLAYBORNE, William [klá'-burn], a settler of Virginia, IV. 656. His contest with Maryland, 1 b; III. 630, 1 bc and 2 c; XI. 229, 2 c, and 230, 1 ab, c; XVI. 151, 2 b.

*Clay Centre*, county seat, IV. 651, 2 c.

*Clay Court House*, county seat, IV. 650, 2 b.

*Claying of sugar*, referred to, IV. 650, 1 c.

*Clay ironstone*, IX. 407, 1 a; 409, 1 ab; XV. 643, 2 a.

CLAYS, Paul Jean [klá], Belgian painter, IV. 656.

CLAYTON, two counties, IV. 656.

CLAYTON, village of New York, IV. 657.

*Clayton*, county seat, II. 302, 1 c.

CLAYTON, John, American botanist, IV. 657.

CLAYTON, John Middleton, American statesman, IV. 657. Clayton-Bulwer treaty, 1 c; alluded to, III. 24, 1 ab, 433, 1 bc.

*Claytonia* (botany), XIV. 96, 1 ab.

CLAZOM'EN.E, ancient city of Asia Minor, IV. 657.

*Cleansing*, in calico printing, III. 597, 1 a.

CLEANTHES [kle-an'-theez], Greek philosopher, IV. 657. Hymn to Jupiter, 2 c. Referred to, XI. 809, 2 c; XIII. 438, 2 b.

CLEAR'CHUS, Lacedæmonian general, IV. 657.

*Clear cole*, in gilding, VII. 808, 2 ab.

CLEAR CREEK, county, IV. 658.

CLEARFIELD, county, IV. 658.

*Clearfield*, Roman Catholic settlement, VII. 582, 2 b.

*Clearfield*, county seat, IV. 658, 1 c.

CLEARING HOUSE: see BANK, II. 282, 2 ab.

*Clearing nut*, XII. 546, 2 bc (Nux VOMICA).

*Clear-obscure*: see CHIAROSCURO.

"*Clear the causeway*," conflict so called, VI. 407, 2 c.

CLEAVELAND, county, IV. 658.

CLEAVELAND, Parker, American mineralogist, IV. 658. His treatise on mineralogy and geology, XI. 590, 2 c.

*Cleavelandite*, mineral, VII. 114, 2 c.

*Cleburne*, county seat, IX. 656, 1 c.

CLEBURNE, county, IV. 659.

CLEEF, Jan van [van klaf], Flemish painter, IV. 659.

CLEEF, Joost van, Flemish painter, IV. 659.

*Clef*, in music, XII. 77, 1 a, 2 b.

*Cleg*, gaddy, VII. 551, 1 b; XVI. 20, 1 c.

CLEM'ATIS, genus of shrubs, IV. 659. C. vitalba, 1 c. C. flammula, *ib.* C. cirrhosa, *ib.* C. viticella, 2 a (ill.). C. Virginiana, 2 b (ill.). C. viorna, *ib.* C. ochroleuca, 2 c.

CLEMENS, Samuel Langhorne (Mark Twain), American humorist, IV. 660.

*Clemens Romanus*, pope: see CLEMENT I.

CLEMENT, name of fourteen popes and three antipopes, IV. 660. I., St., 2 ab. II., Snidger, 2 b. III. (antipope), Guibert, 2 c. III., Paolo or Paulino Scolaro, 661, 1 a. IV., Guido Fulcodi, *ib.* V., Bertrand Garcias de Goth, 1 b. His seventh book of decretals (Clementines), 2 ab; III. 719, 1 c. Suppression of the templars, IV. 661, 1 c; XV. 635, 2 a. VI., Pierre Roger, IV. 661, 1 ab. VII. (antipope), Robert de Genève, 1 c. VII., Giulio de' Medici, 662, 2 a. VIII. (antipope), Gil Muñoz, 2 c. VIII., Ippolito Aldobrandini, 663, 1 a. IX., Ginlio Rospigliosi, 1 ab. X., Emilio Altieri, 1 b. XI., Giovanni Francesco Albani, *ib.* XII., Lorenzo Corsini, 1 c. XIII., Carlo Rezzonico, 2 ab. XIV., Giovanni Vincenzo Antonio Ganganeli, 2 c.

CLÉMENT, Jacob [klä-mä<sup>te</sup>], Flemish composer, IV. 664.

CLÉMENT, Jacques, French regicide, IV. 664.

CLÉMENT, Jean Pierre, French historian, IV. 664.

CLEMENT, Knut Jungholm, Danish historian, IV. 664.

CLEMENT OF ALEXANDRIA, a church father, IV. 664.

CLEMENT OF ROME: see CLEMENT I., pope.

CLEMENTI, Muzio [klä-men'-te], Italian pianist and composer, IV. 665.

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CRAMER, Johann Andreas [krá'-mer], German poet and theologian, V. 455. Karl Friedrich, scholar, 2 c.

CRAMER, John Baptist, musical artist and composer, V. 456.

CRAMOISY, Sébastien [krá-mwá-ze], French printer, V. 456.

*Cramp*, in muscular structures, I. 571, 2 c.

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CRANWORTH, Robert Monsey Rolfe, baron, lord chancellor of England, V. 461.

CRANZ, David [kránts], German missionary and historian, V. 461.

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*Heimdallr* [hime'-dâl'r], in Norse mythology, XII. 120, 1 b.

*Heimskringla*, ancient Norwegian chronicle, XV. 134, 1 b.

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HEINECKEN, Christian Heinrich [hi'-nek-ken], precocious child, VIII. 615.

HEINICKE, Samuel [hi'-nik-këh], German edu-



- cator, VIII. 615. His instruction of the deaf and dumb, V. 732, 2 c.
- HEINSE, Johann Jakob Wilhelm [hine'-zēh], German author, VIII. 616.
- HEINSIUS, Antonius [hine'-se-us], grand pensionary of Holland, VIII. 616.
- HEINSIUS, Daniel, Dutch philologist, VIII. 616. Nicolaas, poet, 2 bc.
- Heinz, Matthias [hints], architect, II. 570, 2 c.
- HEIR, in law, VIII. 616. See FEE.
- Hekatomphonia, a sacrifice, I. 705, 1 a.
- Hel, in Norse mythology, XII. 120, 1 a.
- Helaretos (zoölogy), II. 419, 2 c. H. euryphilus, *ib.* H. Malayanus, *ib.* (ill., 420).
- HELDER, The, seaport of Holland, VIII. 617.
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- HELEN, in Greek legend, VIII. 617.
- HELENA, town of Arkansas, VIII. 617. Battle, 2 bc.
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- HEL'ENA, Saint, mother of Constantine, VIII. 618. Finding of the cross, V. 513, 2 a. Helena's church, Jerusalem, IX. 617, 2 a.
- Helenine [hel'-e-nin], vegetable principle, VI. 497, 2 c.
- Helgoland: see HELIGOLAND.
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- Heliumphora nutans* (botany), XIII. 549, 1 b (ill.).
- Hel'and [hä'-le-änd], old Saxon poem, XIV. 657, 2 bc.
- HELIANTHUS: see SUNFLOWER, XV. 481, 1 c. H. annuus, 2 a. H. multiflorus, 2 c (ill.). Other species, 482, 1 a. H. tuberosus, I. 782, 1 bc (ill.).
- Hel'astic courts, in Athens, II. 55, 2 b.
- Helichry'sum (botany), IX. 196, 1 c. H. orientale, 2 a (ill.).
- Hel'icula [he-lis'-e-de], (mollusca), XV. 128, 2 c.
- Heliconii, S. American butterflies, III. 226, 1 ab.
- HEL'ICON, mountain range, VIII. 618.
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- HELIODORUS, Greek romance writer, VIII. 619.
- Heliodorus, Syrian general, X. 772, 1 b.
- HELIOGABALUS: see ELAGABALUS.
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- HELIOMETER, VIII. 619; XII. 566, 1 bc; XV. 630, 2 b.
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- HELIOPOLIS, ancient city of Egypt, VIII. 619; XII. 452, 1 a.
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- HELIOS, god of the sun, VIII. 619; I. 586, 1 c.
- HELIOSCOPE: see TELESCOPE, XV. 630, 1 a.
- HELIOSTAT AND HELIOTROPE, surveying instruments, VIII. 620; XV. 631, 1 bc.
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- Heliotrope, instrument: see HELIOSTAT. Invention of, VII. 649, 2 b.
- Heliotrope, variety of quartz, IX. 570, 2 b.
- Heliotro'pium (botany), VIII. 620, 1 b. H. curassavicum and other species, *ib.*
- HELIX, in architecture, VIII. 620.
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- HELL, Maximilian, Hungarian astronomer, VIII. 620.
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- Hel'bender, reptile, XI. 393, 1 a.
- HEL'LE, in Greek legend, VIII. 621.
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- Hellenes [hel'-le-nee], VIII. 188, 1 c. Limited use of the term, 201, 2 ab.
- Hellenotamix*, financial officers, VIII. 191, 1 a.
- Hel'lenstein [hel'-len-stine], ruined castle of the lords of, VIII. 614, 1 b.
- HELLER, Joseph, German author, VIII. 622.
- HELLER, Karl Bartholomäus, naturalist, VIII. 622.
- HELLER, Stephan, composer, VIII. 622.
- HELLESPONT, strait, VIII. 622. See DARDANELLES, and HELLE.
- Hel'leroctsluis: see HELVOETSLUIS.
- Hell Gate, pass in the East river, VI. 380, 2 ab. Removal of obstructions to its navigation, II. 699, 2 c, 702, 2 a.
- Hel'gate, Indian treaty of, VII. 261, 2 a.
- HELLIN [ä-lyeen], town of Spain, VIII. 622.
- Hel'lo'pia, in Greece, IX. 331, 1 c.
- Hel'uland, island, XII. 498, 1 b.
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- HELMERS, Jan Frederik, Dutch poet, VIII. 622.
- Helmet, in armor, I. 731, 2 bc, 732, 2 c (ills.). In heraldry, VIII. 674, 1 ab.
- HELMET SUELL, VIII. 622 (ill.).
- HELMHOLTZ, Hermann Ludwig Ferdinand, Ger-

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*Helmichis*, paramour of Rosamond, I. 254, 1 c.

*Helmina*, pseudonyme, IV. 396, 1 b.

*Helminthosporium*, fungus, VII. 532, 2 a.

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HELMONT, Jan Baptista van, Flemish physician, VIII. 624. His views on gases, 2 b; on the archæus, 2 c; on elements, IV. 359, 1 c.

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HELPS, Sir Arthur, author, VIII. 626. (D. 1875.)

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*Helvella*, fungi, VII. 532, 1 b.

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*Helvetic Republic*, XV. 530, 2 c.

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*Helveto-American congregation* (of Benedictines), II. 520, 2 a.

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HÉLYOT, Pierre [ä-lyō], French historian, VIII. 628.

HEM'ANS, Felicia Dorothea, English poetess, VIII. 628.

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*Hematchandra's lexicon*, edition of, II. 791, 1 ab.

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*Hemeralopia*, day blindness, XII. 549, 1 b.

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*Hemerocallis* (botany), X. 473, 1 c. H. *fulva*, 1 b. H. *flava*, 1 c.

*Hemidactylus* (zoölogy), VII. 656, 2 c. H. *mabouia*, 657, 1 c (ill.).

*Hemidesmus Indicus* (botany), XIV. 635, 2 c.

*Hemiergis Deeresien'sis* [hem-e-er'-jis], (zoölogy), XIV. 771, 1 b.

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*Hemiplegia*, form of paralysis, III. 198, 2 c, 199, 1 c; XIII. 71, 2 a.

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*Hemitripteris* (ichthyology), XIV. 739, 1 c. H. *Acadianus*, 2 a (ill.).

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"Hemp," of wool, XVI. 713, 1 ab.

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*Hemphill*, county seat, XIV. 507, 2 ab.

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*Hen and chickens*, kind of daisy, V. 638, 1 b.

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*Henderson*, excise case of, VII. 23, 2 c.

*Hendersonville*, county seat, VIII. 635, 1 b.

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HENDRICKS, Thomas Andrews, American statesman, VIII. 636.

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*Hen'eti*: see *Venetì* (Index).

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HENLE, Friedrich Gustav Jakob [hen'-lēh], German physiologist, VIII. 637. Founder of microscopic anatomy, 1 b.

HENLEY, John, "Orator Henley," VIII. 637.

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HENNA, shrub, VIII. 637.

*Hennegau, Hennegouwen* [hen'-nōh-gow, -gow-en]: see HAINAUT.

HENNEPIN, county, VIII. 638.

*Hennepin*, county seat, XIV. 100, 1 b.

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HENNINGSEN, Charles Frederick, English soldier and author, VIII. 639. (Died 1877.)

*Henoticon*, a creed, VIII. 217, 2 a; III. 514, 1 b; XI. 757, 2 a.

*Henri I.* [ān'-rē], king of Hayti, IV. 552, 2 b; VIII. 552, 2 a.

*Henricians*, sect, III. 370, 2 b; VIII. 666, 1 b.

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HENRIQUEL-DUPONT, Louis Pierre [ān'-re-kail-dū-pōn'], French engraver, VIII. 640.

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*Hen'schen, Godfrey*, learned Jesuit, III. 16, 2 c.

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HENTZ, Caroline Lee, American authoress, VIII. 668.

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*Hep*, fruit of the rose, XIV. 433, 2 a.

*Hepar sulphuris*, liver of sulphur, XIII. 760, 2 c.

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*Hepatic duct*, VII. 574, 2 ab; X. 538, 1 b; II. 636, 2 c.

*Hepatic gas*, II. 558, 1 c.

*Hepatic plexus*, of the sympathetic nerve, X. 537, 1 b.

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HEPHESTION [he-fes'-te-on], friend of Alexander the Great, VIII. 669.

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*Hepial'idae* (entomology), XI. 869, 2 b.

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*Heptachord*, musical instrument, X. 759, 2 b.

*Heptaméron* [ep-tā-mā-rō<sup>ne</sup>], a French classic, XI. 155, 2 a.

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"*Herald*," newspaper of New York, II. 530, 2 ab.

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HÉRAULT DE SÉCHELLES, Marie Jean [düh sā-shél], French revolutionist, VIII. 675.

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HERBART, Johann Friedrich [hāir'-bart], German philosopher, VIII. 676; XI. 813, 2 ab; XIII. 431, 1 ab, 2 b, 442, 2 b.

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*Her'bemont*, Mr. [Fr. āirb-mō<sup>ne</sup>], American grape grower, I. 418, 1 c. Herbemont grape, *ib*.

HERBERT, Edward, Baron Herbert of Chisbury, English philosopher, VIII. 677.

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*Herb Robert*, plant, VII. 731, 2 b (ill.).

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*Herculean legion*, in the Roman army, X. 851, 1 b.

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*Hercules, pillars of*, VII. 800, 2 c; VIII. 679, 2 c.

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*Hercynian Forest*: see HERCYNIA SILVA. Referred to, II. 784, 1 b.

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HERDER, Johann Gottfried von [hâir'-der], German author, VIII. 680. His influence on German literature, VII. 767, 1 a.

*Herd's grass*, red-top, VIII. 167, 2 c. Timothy, ib., and XV. 757, 2 c.

*Herdsmen*, the, curiosity in Staffa, XV. 301, 1 a.

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*Hermæia*, festivals of Mercury, XI. 404, 2 a.

*Hermadad* [âir-mân-thâth], holy brotherhood, IV. 616, 2 b; VII. 136, 1 bc.

*Her'mann*, county seat, VII. 641, 1 a; I. 417, 2 a, 418, 2 a, b, 419, 1 a, 2 bc, 420, 1 b.

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*Hermann*, archbishop, "Consultation" of, referred to, V. 153, 2 b.

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HERMES, Georg [hâir'-mess], German theologian, VIII. 684.

*Hermesianism*, doctrine, VIII. 684, 2 ab.

*Hermesite*, mineral, XV. 50, 1 c.

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*Hermitage*, county seat, VIII. 716, 2 b.

*Hermitage*, residence of Andrew Jackson, IX. 487, 1 b; 488, 1 c; 493, 1 c, 2 a.

*Hermitage* [âir-me-tâzh], residence of Ronsseau, XIV. 453, 2 a. See ÉPINAY.

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*Hermit of the Charente*, II. 259, 2 c.

*Hermits of St. Augustine*: see AUGUSTINIANS, and XI. 729, 2 b.

*Hermodur*, in northern mythology, II. 237, 2 b.

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*Hermopolis*, capital of Syria, XV. 541, 1 b.

HERMOPOLIS MAGNA, city of Egypt, VIII. 685.

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JOHNSTON, Arthur, physician, IX. 670.

JOHNSTON, Charles, British satirist, IX. 670.

JOHNSTON, George, Scottish naturalist, IX. 670.

JOHNSTON, James F. W., chemist, IX. 671.

JOHNSTON, Joseph Eccleston, American soldier, IX. 671.

JOHNSTONE, town of Scotland, IX. 671.

JOHNSTOWN, village of New York, IX. 671.

• Borough of Pennsylvania, 672, 1 a.

JOIGNY [zhwá-nyē], town of France, IX. 672.

*Joint*, in anatomy: see ARTICULATION.

JOINT-STOCK COMPANY, IX. 672.

JOINT TENANTS, in law, IX. 672.

JOINVILLE, François Ferdinand Philippe Louis Marie d'Orléans, prince de, IX. 672.

JOINVILLE, Jean, sire de [düh zhvä<sup>ue</sup>-veel], French chronicler, IX. 673.

JÓKAI, Mór [yo'-kaw-e], Hungarian author, IX. 674.

JOKJOKERTA, or Jokyokarta, province of Java, IX. 674. Capital, 1 b.

JOL'IBA: see NIGER.

JOLIET [jo'-le-et], city of Illinois, IX. 674.

JOLIET, Charles [zhüh-lyä], French author, IX. 674.

*Joliet, Louis*: see JOLLIET.

JOLIETTE [Fr. zhüh-lyët], county of Canada, IX. 674. Town, 2 ab.

JOLLIET, Louis, French explorer, IX. 674.

JOLLIVET, Pierre Jules [zhüh-le-vä], painter, IX. 675.

JOMARD, Edme François [zhüh-mar], geographer, IX. 675.

JOMELLI, Nicolò [yo-mel'-le], Italian composer, IX. 675.

JOMINI, Henri, baron [zhüh-me-ne], French military historian, IX. 675.

JONAH, Hebrew prophet, IX. 676. So-called tomb of: see NINEVEH, XII. 456, 1 c.

JONAS, Justus [yo'-näs], German theologian, IX. 676.

JONATHAN, brother of Judas Maccabæus: see HEBREWS, VIII. 592, 1 a, 2 a.

*Jonathan*, son of Saul, V. 705, 1 ab, ff.

JONES, five counties, IX. 676.

JONES, Anson, president of Texas, IX. 677.

JONES, Inigo, English architect, IX. 677.

JONES, Jacob, American naval officer, IX. 678.

JONES, John, Welsh clergyman, IX. 678.

JONES, John Paul, American naval officer, IX. 678.

*Jones, Dr. Joseph*, on the diseases in Andersonville prison, I. 474, 2 bc.

JONES, Owen, English architect, IX. 679. On the Alhambra, 2 bc; I. 310, 1 c. Owen, Welsh archæologist (1740-1814), IX. 679, 2 b.

JONES, Thomas Rymer, English anatomist, IX. 680; I. 161, 1 bc. His classification of reptiles, VIII. 694, 2 b; of fishes, IX. 161, 1 ab.

JONES, William, English divine, IX. 681.

JONES, Sir William, orientalist, IX. 680; X. 294, 2 c.

JONESBORO, village of Georgia, IX. 681. Battle of, 1 c.

*Jonesborough*, county seats, XVI. 112, 2 b; 475, 1 a.

*Jonesville*, county seat, X. 289, 2 a.

*Jongleurs* [zhō<sup>ue</sup>-glür], IX. 707, 1 c; XIV. 40, 1 b.

JÖNKÖPING [yön-chō'-ping], province of Sweden, IX. 681. Town, 2 a.

*Jonquil*, variety of the canary, III. 692, 1 c.

*Jonquil*, flower, XII. 145, 1 b, 2 b.

JONSON, Benjamin, English dramatist, IX. 681.

JONSSON, Finn [jons'-son], Icelandic historian, IX. 682.

JODDPOOR', state of India, IX. 682. Town, 2 c.

JOONPOOR, town of India, IX. 683.

JOPPA: see JAFFA.

JORDAENS, Jacob [yor'-dānce], Flemish painter, IX. 683.

JOR'DAN, river of Palestine, IX. 683. Sources, 1 bc (ill.).

*Jordan*, river of Utah, VIII. 182, 2 b; 184, 1 a.

JORDAN, Camille [zhor-dā<sup>ue</sup>], French statesman, IX. 684.

JORDAN, Charles Étienne, author, IX. 684.

JORDAN, Dorothy, Irish actress, mistress of the duke of Clarence (William IV.), IX. 684.

JORDAN, Rudolph [yor'-dän], German painter, IX. 684.

JORDAN, Wilhelm, German poet, IX. 684.

*Jordanes*: see JORNANDES.

*Jordanus of Namur*, mathematical works of, I. 708, 1 ab.

JÖRG, Joseph Edmund [yörg], German author, IX. 685.

JÖRG, Johann Christian Gottfried, physician, IX. 685. Eduard, physician, 1 b.

JÖRG'ENSON, Jorgen [Dan. yor'-ghen-son], Danish adventurer, IX. 685.

JORNANDES, Gothic historian, IX. 685.

JORTIN, John, English divine and author, IX. 686.

JORTULLO [ʔho-roo'-lyo], volcano of Mexico, IX. 686 (ill.).

JOSEPH, Hebrew patriarch, IX. 686.

JOSEPH, reputed father of Jesus, IX. 687.

JOSEPH I., emperor of Germany, IX. 687. Compelled to restore the churches taken from his Protestant subjects, IV. 305, 1 b.

JOSEPH II., emperor of Germany, IX. 687; X. 356, 1 a; II. 145, 1 ab; IX. 58, 2 b.

JOSEPH, king of Naples and Spain: see BONAPARTE, Joseph, III. 29.

JOSEPH, Father [zhüh-zëf], confidential friend of Richelieu, IX. 688.

JOSEPHINE [jo-zëh-feen], county, IX. 687.

JOSEPHINE, empress of France: see BONAPARTE, III. 46, 2 a. Her first marriage, *ib.*; II. 426, 1 b. Introduction to Bonaparte, III. 46, 2 c; marriage, *ib.*; divorce, 47, 1 bc.

JOSEPHUS, Flavius, Jewish historian, IX. 689.

JOSH BELL, county, IX. 689.

JOSHUA, Israelitish leader, IX. 689.

JOSIAH, Israelitish king, IX. 690.

JÓSIKA, Miklos, baron [yo'-zhic-kaw], Hungarian novelist, IX. 690.

JOSQUIN DES PRÉS [zhüs-kä' dā prā], French composer, IX. 690; XII. 88, 2 c.

*Josslyn, John*, XVI. 607, 1 c.

JOST, Isaak Markus [yoast], German author, IX. 690.

Jötunheim [yö'-toon-hime], in Norse mythology, XII. 119, 2 bc.

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JOUBERT, Barthélemy Catherine [zhoo-bäir], French general, IX. 691.

Jouberton, Madame [zhoo-bäir-tö'w], wife of Lucien Bonaparte, III. 34, 2 c, 1 ab.

JODPORE [jood-pore]: see JOONPOOR.

JOUFFROY, Théodore Simon [zhoo-frwá], French philosopher, IX. 691. See MORAL PHILOSOPHY, XI. 813, 1 c; PHILOSOPHY, XIII. 444, 1 b.

JOUFFROY D'ARBANS, Claude François, marquis de [dar-bä'w], mechanician, IX. 692. Achille, marquis de, politician and writer, 1 b.

JOULE, James Prescott [jool], English natural philosopher, IX. 692. Mechanical equivalent of heat ("Joule's equivalent") established by him, 2 c; V. 378, 2 b, c. Experiments in magnetism, IX. 692, 1 c; XI. 6, 2 c.

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JOUDAN, Antoine Jacques Louis [zhooor-dä'w], French physician, IX. 693.

JOUDAN, Jean Baptiste, count, general, IX. 693.

*Journal*, in bookkeeping, III. 81, 1 a.

*Journal des Débats* [zhooor-nä dā dā-bä], newspaper, II. 585, 2 a; XII. 336, 2 c (name and character changed by Bertin). Its opposition to royalist schemes in 1872, X. 336, 1 b.

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*Journée des barricades* [zhooor-nä dā bär-re-käd], in French history, VIII. 656, 1 a.

*Journée des dupes* [dā düp], XII. 699, 1 b; XIV. 317, 2 ab.

*Joust* [jäst], IV. 497, 2 b; XV. 824, 1 b.

JOUEL, Henri [zhoo-tël], French explorer, IX. 693.

JOUVENET, Jean [zhooov-nä], painter, IX. 693.

JOUV, Victor Joseph Étienne de [zhwe], author, IX. 694.

JOVELLANOS, Gaspar Melchior de [ʔho-vä-lyá'-noce], Spanish poet, IX. 694.

JOVIAN, Roman emperor, IX. 694.

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*Jovinus*, Roman usurper, XVI. 564, 1 bc.

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*Jowar'ree*, kind of grain, II. 510, 2 b.

JOWETT, Benjamin, English clergyman and critic, IX. 695.

JOWF, province of Shomer, IX. 695.

*Joyce Heth*, so-called nurse of Washington, II. 324, 1 a.

JOZÉ, Antonio [zho-zä'], Portuguese dramatist, IX. 695.

JU'AB, county, IX. 695.

*Juan, Don*: see DON JUAN.

JUAN, Don [ʔhwän]: see JOHN OF AUSTRIA.

*Juan, Don Jorge*: see JUAN Y SANTACILLA.

*Juana, princess* [ʔhwä'-na], (la Beltraneja), VII. 136, 1 b; IX. 422, 1 bc.

*Ju'an de Fuca*, strait of: see FUCA.

*Juan del Valle* [ʔhwän dail vä'-lyä], nom de plume, III. 534, 2 c.

JUANES, Vicente [ʔhwä'-nace], Spanish painter, IX. 695.

JU'AN FEENAN'DEZ, island, IX. 695; V. 763, 2 bc.

JUAN Y SANTACILLA, Jorge [ʔhwän e sän-ta-thé'-lyä], Spanish explorer, IX. 696.

JUAREZ, Benito Pablo [ʔhwä'-raee], president of Mexico, IX. 697.

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**JUBA I.**, king of Numidia, IX. 698. **Juba II.**, 2 b. *Jubæ'a spectabilis* (botany), XIII. 21, 1 c (ill.).  
**JUBBULPORE'**, town of India, IX. 698.  
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*Jubilee college*, founder of, IV. 326, 2 b.  
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**JUDAH**, Hebrew patriarch, IX. 699.  
**JUDAH** (Hakkadosh), rabbi, IX. 699; VIII. 728, 1 ab.  
**JUDAH** (Hallevi), Spanish rabbi, IX. 699.  
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*Judaizing Christians*, VI. 374, 1 a.  
**JUDAS** ISCARIOT, disciple and betrayer of Jesus, IX. 699.  
**JUDAS** MACCABEUS: see **HEBREWS**, VIII. 592, 1 b, c.  
**JUDAS** TREE, IX. 699 (ill., 700).  
**JUDD**, Sylvester, American author, IX. 700.  
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*Judex*: see **JURY**, IX. 722, 1 b.  
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**JUDGES** OF ISRAEL: see **HEBREWS**, VIII. 585, 1 b.  
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*Judicium parium*, in Magna Charta, IX. 722, 2 c.  
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**Judith**, queen of the Anglo-Saxons, VI. 744, 2 a, ab; 746, 1 a.  
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**JUDITH**, Mlle. [zhû-deef], French actress, IX. 702.  
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**JUEL**, Niels [yool], Danish admiral, IX. 705. Johann, Baron Julinge, 706, 1 a.  
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*Jugduluk pass*, I. 161, 2 c (AFGHANISTAN).  
**Jugerum**, Roman measure of land, I. 72, 2 c.  
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**JUGGERNAUT'**, town of Bengal, IX. 706. Temple, 1 bc (ill.). Title of Krishna, 1 c. Great festival of, 2 a.  
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**JUGUR'THA**, Numidian king, IX. 708.  
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*Julfa* [jool'-fa], suburb of Ispahan, IX. 435, 2 bc.  
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**JULIAN** (the Apostate), Roman emperor, IX. 710; V. 279, 1 b. Disciple of Iamblichus, XII. 225, 1 c. His favor to the Parisii, XIII. 89, 1 c. His treatment of Basil the Great, II. 362, 2 b. Law against the Christians, IX. 710, 2 ab. His treatise against the Christians, 711, 1 a.  
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**JULLIEN**, Louis Georges [zhû-lyä<sup>ae</sup>], French composer, IX. 712.  
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*Junction City*, county seat, V. 710, 1 c.  
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*KIUKIANG* [ku-kyāng]: see *KEWKIANG*.  
*Kiungchow*: see *KIENCHOW*.  
*KIUSIU* [ku-shū], island of Japan, X. 21.  
*Kiusiu*: see *KIUSMT*.  
*KIWI-KIWI* [kě'-we-kě'-we]: see *APTERYX*.  
*Kizil-Irmak* [kiz'-il-eer-māk'], river, I. 216, 1 c.  
*Kjoekken-moeddings* [kyük'-ken-müd-dings]: see *FINDS*, VII. 196, 2 a.

*Klad' deradatsch*, German "Punch," IX. 736, 1 b.  
 Kladno [klád'-no], town of Bohemia, X. 21.  
 KLAGENFURTH [klá'-ghen-foort], Austria, X. 21.  
 KLAMATH [klam'-at], county, X. 21.  
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*Klamath lake*, Upper and Lower, XII. 679, 1 bc.  
 KLAMATHS, Indian tribes, X. 22.  
 Klapka, György [klop'-kaw], Hungarian soldier, X. 22.  
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 KLAUSENBURG [klow'-zen-boorg], town of Transylvania, X. 23.  
 KLAUSTHAL: see CLAUSTHAL. Adit of, I. 122, 2 a.  
 KLÉBER, Jean Baptiste [klá'-báir], French soldier, X. 23.  
*Klein* [kline], amnesty case of, I. 432, 1 c.  
 KLEIST, Ewald Christian von [klist], German poet, X. 24. Monument to him, VII. 431, 2 a.  
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 KLENZE, Leo von [klen'-tsěh], architect, X. 24.  
*Klepts*, Greek brigands, I. 722, 1 c.  
 KLIEFOTH, Theodor Friedrich Dethlef [klé'-fote], German theologian, X. 24.  
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 KLIN, town of Russia, X. 25.  
*Kling*, people of India so called, IX. 215, 1 c.  
 KLING'ER, Friedrich Maximilian von, German poet, X. 25.  
 KLIPSPRINGER, antelope, X. 25 (ill.); I. 545, 2 a.  
*Klipstein* [klip'-stine], cranium of dinotherium found by, VI. 117, 1 b.  
*Klissa*: see CLISSA.  
*Klitter*, sterile flats in Jutland, VI. 10, 2 c.  
 KLOPP, Onno [klup], German historian, X. 25.  
*Klopp castle*, near Bingen, II. 645, 1 ab.  
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 KNABL, Joseph [knábl], Tyrolese sculptor, X. 27.  
 KNAPP, Albert [knáp], German poet, X. 27.  
 KNAPP, George Christian, theologian, X. 27.  
*Knapp, Isaac* [náp], American printer, VII. 629, 1 c.  
 KNAPP, Jacob, American clergyman, X. 27.  
 KNAPP, Ludwig Friedrich, chemist, X. 27.  
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*Kneading machine*, for gutta percha, VIII. 344, 1 ab.  
 KNEBEL, Karl Ludwig von [kná'-bel], German author, X. 28.  
*Knecht Rupert*: see CHRISTMAS, IV. 551, 1 c.  
 KNEELAND, Samuel, American naturalist, X. 28.  
*Kneepan*: see PATELLA.  
 KNELLER, Sir Godfrey, English portrait painter, X. 28.  
*Kneph* [knef]: see *Knaphis* (Index).  
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 KNIGHT, Charles, English author, X. 28.  
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*Knight, Silas P.*, his process of electrotyping, XIII. 851, 1 bc.  
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*Knights of Christ*: see TEMPLARS, XV. 635, 2 c.  
*Knights hospitallers*, of the order of Saint John of Jerusalem, XIV. 535, 1 b; of St. Lazarus, X. 362, 1 b.  
*Knights of the hospital of St. Mary in Jerusalem*: see TEUTONIC KNIGHTS.  
*Knights sword-bearers*, X. 530, 2 a; XIV. 335, 1 a.  
*Knights of the Temple*: see TEMPLARS.  
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*Knitting machines*, XV. 391, 1 b.  
*Knives of the stone age*, VII. 195, 2 c.  
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 KNOBLECHER, Ignaz [kno'-blěh-'her], traveller, X. 30.  
 KNOT, bird, X. 30 (ill.).  
*Knot*, in wood, X. 574, 1 b.  
*Knot grass*, XII. 689, 1 a.  
 KNOTT [nowt], instrument of punishment, X. 31.  
 KNOWLES, James Davis, American clergyman, X. 31.  
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*Knowlton* (Thomas), at Bunker Hill, III. 436, 2 ab; 437, 1 c. (Killed as lieutenant colonel at Harlem heights, Sept. 16, 1776.)  
*Know-nothing party*, in politics, XVI. 172, 1 bc.  
 KNOX, name of nine counties, X. 31.

*Knor*, county seat, XV. 322, 2 b.

*Knox*, Henry, American general, X. 33.

*Knox*, John, Scottish reformer, X. 33. Referred to, XI. 234, 1 b. See PRESBYTERIANISM, XIII. 810, 1 c. Confession of faith attributed to him, 2 bc.

*Knox*, Vicesimus, English clergyman, X. 35.

*Knox college*, VII. 564, 1 a (GALESBURG).

*KNOXVILLE*, city of Tennessee, X. 35. Siege of, 36, 1 a.

*Knorrille*, county seats, V. 465, 1 c; XI. 169, 2 b.

*Knuphis* [knoo'-fis], Egyptian divinity, VI. 464, 1 a; XII. 116, 2 b.

*Knut* [knoot]: see CANUTE.

*KNYPHAUSEN*, Baron [knip'-how-zen], German soldier, X. 36.

*KOALA* [ko-á'-la], marsupial animal, X. 36 (ill.).

*KOELL*, Franz von, German mineralogist, X. 36.

*Kobolds*: see FAIRIES, VII. 64, 1 a, 2 bc.

*Koch*, Karl Heinrich Emanuel [kó'h], German traveller, X. 37.

*KOCHANOWSKI*, Jan [ko-'ha-nov'-ske], Polish poet, X. 37.

*Kock*, Charles Paul de, French novelist and dramatist, X. 37. Henri de, 1 c.

*KOEKKOEK*, Bernard Cornelis [kook'-kook], Dutch painter, X. 37. Marianus, Adrian, and Herman, 2 a.

*KOENIG*, Heinrich Joseph [kó'-ní'h], German novelist, X. 37.

*Koffee Calcalli*, king of Ashantee, VII. 82, 1 b.

*KOH-I-NOOR*: see DIAMOND, VI. 75, 2 a.

*Kohl*, Johann Georg [kole], author, X. 37.

*Kohlrausch*, Heinrich Friedrich Theodor [kole'-rowsh], author, X. 38.

*Kokand*: see KHOKAN.

*Koko'mo*, town of Indiana, X. 38. (Howard college suspended.)

*Köktash*, stone supporting Tamerlane's throne, XIV. 589, 1 a.

*KOLA*, town of Russia, X. 38.

*KOLAPOOR'*, state of India, X. 38. Capital, 1 c. (Fuller information under COLAPOOR.)

*Kolarians*, a race of India, IX. 214, 2 c.

*KOLB*, Georg Friedrich [köl], German journalist and author, X. 38.

*KOLBE*, Adolf Wilhelm Hermann [kole'-bēh], chemist, X. 38.

*KOLBE*, Karl Wilhelm, painter, X. 38.

*KOLBERG*: see COLBERG.

*KÖLCSÉY*, Ferencz [köl'-chēh-e], Hungarian author, X. 38.

*KOLDEWEY*, Karl [kole-dēh-vī'], German explorer, X. 39.

*KOLDING* [kole'-ding], town of Denmark, X. 39.

*Koldinghuus* [-hoocē], castle, X. 39, 1 a.

*Kolees'*, a race in India, IX. 215, 1 b.

*Koliadēs*, *Constant* [kūli-lyā-dacē], nom de plume, X. 283, 2 b.

*KOLIN*, town of Bohemia, X. 39.

*KOLLAR*, Jan, Slavic scholar and poet, X. 39.

*Köl'liker*, Rudolf Albert, German physiologist and microscopist, X. 39. Observations on the eye, alluded to, VII. 47, 1 c. Classification of mollusca, XI. 51, 1 b. Description of the actinophrys, I. 515, 2 b.

*Kollin*: see KOLIN.

*Kolokol*, Russian journal, VIII. 702, 2 b.

*KOLOMNA*, town of Russia, X. 39.

*KOLOSHES*, Indian tribes, X. 39.

*Kol'poda*, animalcules, I. 515, 1 c.

*Kols*, a people of India, IX. 214, 2 bc.

*Κολυμβήθρα*, baptistery, II. 292, 1 a. \*

*Komandorski islands*, I. 274, 2 c.

*Komensky*: see COMENIUS.

*Komisar'off*, Russian peasant, I. 284, 2 c.

*KOMORN*: see COMORN.

*Kong*, mountain range of Africa, X. 40.

*KONGSBERG*, town of Norway, X. 40.

*Koniah*: see KONIEN.

*KONIEU* [ko'-ne-ēh], Asia Minor, X. 40 (view).

*König*, *Friedrich*, printing pressof, XIII. 853, 1 a.

*KÖNIGGRÄTZ* [kó'-nig-graits], town of Bohemia, X. 41. Battle of, 1 b: see SADOWA.

*KÖNIGINHOF* [kó'-ne-ghin-hofē], town of Bohemia, X. 41. Manuscript of *Königinhof*, 1 bc; VIII. 441, 1 b.

*Königs lake*, Bavaria, II. 550, 1 c.

*KÖNIGSBERG* [kó'-niks-bäirg], city of Prussia, X. 41. Cathedral, 2 b (ill.). University, 2 c.

*KÖNIGSHÜTTE* [kó'-niks-hüt-tēh], town of Prussia, X. 42.

*KÖNIGSMARK*, Philip Christopher, count of, Swedish adventurer, X. 42. Maria Aurora, 1 c; II. 116, 1 c. Referred to, IV. 304, 2 b.

*KÖNIGSTEIN*, Saxony, X. 42. Fortress of, 2 a.

*Koodaga*, a race of India, IX. 215, 2 c.

*KOODOO'*: see ANTELOPE, I. 546, 2 a.

*Koolsatikara*, Shoshone Indians, XV. 6, 2 a.

*Koom*: see KUM.

*KOOMASSIE*, capital of Ashantee, X. 42. King's palace, 2 c (ill., 43). See GOLD COAST, VIII. 88, 2 b.

*Koomiah*, crocodile, VII. 611, 1 a.

*Koonbees*, a people of India, IX. 213, 2 b; 214, 1 bc.

KOOR: see KUR.

*Koorbees*: see *Koonbees* (Index).

KOORDISTAN: see KURDISTAN.

*Koorg*: see COORG.

KOORILE ISLANDS: see KURILE ISLANDS.

*Koos*, a race of India, IX. 220, 1 a.

KOOSO, vegetable drug, X. 43.

KOOTENAYS, Indian tribe, X. 43.

*Kooveskooue*: see ROSS, John.

KO'PISCH, August, German poet and painter, X. 43.

KOPITAR, Bartholomäus, Slavic philologist, X. 43.

*Kopp*, II. [kup], (Hermann, born 1817, collaborator of Liebig and Wöhler), his investigations in chemistry, IV. 369, 1 b.

KOPP, Joseph Eutych, Swiss historian, X. 43.

*Koppa*, in Greek alphabet, I. 349, 1 b.

KOPPARBERG, district of Sweden, X. 44.

KÖPPEN, Friedrich, German philosopher, X. 44.

KÖPPEN, Peter von, Russian archaeologist, X. 44.

*Kopp's brown*, color, XII. 134, 2 bc.

KO'RAN, sacred book of the Mohammedans, X. 44. See MOHAMMEDANISM, and TURKEY, XVI. 57, 2 a.

*Koraquas*, African race, IX. 9, 1 c.

KORAT', territory of Asia, X. 46.

KORDOFAN', country of E. Africa, X. 46.

*Koresb* (Cyrus the Elder), V. 620, 2 b.

*Koriaks*, Siberian tribe, XV. 598, 2 a.

*Koridgwen* [ko-rid'-gwen], goddess of the Welsh bards, IV. 178, 1 b.

KORNEGAL'LE, town of Ceylon, X. 46.

KÖRNER, Karl Theodor, German poet, X. 46.

KÖRÖS [kő'-rōsh], town of Hungary, X. 47.

*Korrigan*, elfish beings, IV. 178, 1 b, 2 a.

KORTETZ, island in the Dnieper, X. 47.

KORTÜM, Johann Friedrich Christoph, German historian, X. 47.

KORTÜM, Karl Arnold, poet, X. 47.

KORVEI [kor-vi'], village of Prussia, X. 47. Abbey of, 2 b. Principality of, 2 c.

KOSCIUS'KO, county, X. 48.

*Kosciusko*, county seat, II. 92, 2 a.

KOSCIUSKO, Mount: see AUSTRALIA, II. 129, 1 c, and X. 49, 1 a.

KOSCIUSZKO, Tadeusz (Thaddeus), [Pol. kosh-choosh'-ko], Polish patriot, X. 48.

KOSEGARTEN, Johann Gottfried Ludwig [ko'-zēh-gar-teu], German orientalist, X. 49.

KOSŁ [ko'-zel], town of Prussia, X. 49.

Kös'LIN, town of Prussia, X. 49.

KOSLOV: see KOZLOV.

*Koso'vo*, battles of, I. 446, 1 a, 2 c.

*Kosso*: see KOOSO.

KOS'SUTH, county, X. 49.

KOSSUTH, Lajos [kosh'-oot], Hungarian patriot, X. 49. His confinement at Kutaieh, 66, 1 a. Batthyányi's opinion of him, II. 393, 1 c.

*Koster*: see COSTER.

KOS'TROMA, government of Russia, X. 51. Capital city, 52, 1 a. Interior of the church of the Holy Trinity (ill.), 51.

*Kosztá, Martin*, case of, IX. 280, 2 c; I. 327, 1 c.

KOTAN, state of India, X. 52. Capital city, 1 b. *Kotar*, a people of India, IX. 215, 2 a, 2 c; 220, 1 a.

*Ko Tha-byoo* [ko t'há-byoo'], Karen preacher, II. 765, 1 b.

KÖTHEN [kő'-teu], town of Germany, X. 52.

*Koto*, Japanese stringed instrument, IX. 53, 1 c.

KOTSCHY, Theodor [kut'-che], German botanist, X. 52.

KOTTBUS [kut'-boos], town of Prussia, X. 52.

KOTZEBUE, August Friedrich Ferdinand von [kut'-sēh-boo], German dramatist, X. 52. Otto von, Russian traveller, 53, 1 c. Moritz von, soldier, 2 ab. Paul, soldier, 2 bc. Alexander von, painter, 2 c.

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KÖV'ÁR, district of Hungary, X. 53.

KOV'NO, government of Russia, X. 54. Capital city, 1 b.

*Koyunjik* [ko-yoon-jeek'], mound: see NINEVEH, XII. 456, 2 b; 457, 1 a, c, 2 b. Palace of, II. 36, 1 b, c; inscribed tablets, *ib.* Entrance to (ill.), XII. 458.

KOZLOV', town of Russia, X. 54. Another: see EUPATORIA.

*Krait* [krite], snake of India, IX. 204, 1 c.

KRAJOVA [krá-yo'-va]: see KRAJOVA.

KRAKEN: see OCTOPUS, XII. 577, 2 b.

*Krakus* [krá'-koos], Slavic chief, V. 453, 2 a; XIII. 644, 1 b.

*Kral*, royal title in Serbia, XIV. 781, 2 bc.

KRANACH, Lucas: see CRANACH.

*Krapf* (Johann Ludwig, born 1810), Protestant missionary in Abyssinia, I. 48, 2 ab. (Author of works on African geography, languages, &c., in German and English.)

KRASICKI, Ignacy [krá-shits'-ke], Polish prelate, X. 54.

KRASINSKI, Waleryan, count [krá-shin'-ske], Polish author, X. 54. Zygmunt Napoleon, author, 2 c.

KRASSÓ [krōsh'-o], county of Hungary, X. 55.

KRASZEWSKI, Józef Ignacy [krä-shev'-ske], Polish author, X. 55.

KRASZNA [kros'-naw], county of Hungary, X. 55. Town, 2 ab.

Kratzenstein [kräts'-en-stine], his theory of fog vesicles, VII. 300, 1 c.

KRAUSE, Karl Christian Friedrich [krow'-zëh], German philosopher, X. 55.

KRAUTH, Charles Porterfield [krawth; Ger. krowt], American Biblical scholar, X. 55.

KRAYOVA [krä-yo'-va], Roumania, X. 56.

KREMENTCHUG [krem'-en-choog], town of Russia, X. 56.

KREMLIN: see MOSCOW.

KREMnitz, town of Hungary, X. 56.

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Krevins, a Finnish race, V. 428, 2 a.

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KRISHNA, Hindoo deity, IX. 228, 1 c; II. 159, 1 c. Krishna-shepherd worship, IX. 229, 1 b. Temple of, at Dwaraca, VI. 335, 1 c; at Juggernaut, IX. 706, 1 c (ill.).

KRISHNA, river: see KISTNAH.

KRONSTADT, Russia: see CRONSTADT.

KRONSTADT [krone'-stât], Transylvania, X. 56.

KROO, negro race, X. 57; 398, 2 c. Krooman, *ib.*

KRO'TOSCHIN, town of Prussia, X. 57.

KROZER [kro-zâ], (properly Crozet), islands, Indian ocean, X. 57.

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KRÜDENER, Juliane de Vietinghoff, baroness [krü'-dëh-ner], Russian novelist and mystic, X. 57. Referred to, I. 283, 1 a.

KRUG, Wilhelm Traugott [kroog], German philosopher, X. 58. His definition of philosophy, XIII. 430, 1 a.

KRUMMACHER, Friedrich Adolf [kroom'-mä-her], theologian, X. 58. Gottfried Daniel, preacher, 2 ab. Friedrich Wilhelm, preacher and author, 2 b.

KRUPP, Alfred [kroop], manufacturer, X. 58. Krupp gun, I. 794, 1 c (ill.).

KRUSENSTERN, Adam Johann von [kroo'-zen-stäirn], Russian navigator, X. 59.

KRYLOFF, Ivan [kre-lof'], Russian author, X. 59. Kshatriyas [kshät'-re-yas], Hindoo caste, IX. 206, 2 c; 225, 2 c; 230, 2 b.

Ktaadn [ktädn]: see KATAHDIN.

Kuanon, Japanese divinity, IX. 539, 1 a.

KUBAN [koo-bân], Caucasian territory, X. 59.

Kubbet-el-Islam [koob'-bet-el-iz'-lam], (Bassorah), II. 372, 1 b.

Kubir [koo-beer'], desert, Persia, IX. 823, 1 a. KUBLAI KHAN [koo'-bli kân], conqueror of China, X. 59. Patron of Lamaism, 115, 2 a. Referred to, XIII. 683, 2 bc; 684, 1 a.

Kächenmeister [kü'-heu-mice-ter], his experiments on the cause of tapeworm in man, VI. 665, 2 b.

KUENLUX [kwen-loon'], mountain range, X. 60. Kuge [koo'-gä], class of Japanese nobility, IX. 545, 1 ab, 547, 1 a; XV. 793, 1 c.

KUGLER, Franz Theodor [koo'-gler], German author, X. 60.

Kugler, Protestant missionary in Abyssinia, I. 48, 2 a.

Kuhlmann, Prof. F. [kool'-mân], on the action of alkaline silicates upon limestones and chalk, IV. 182, 1 ab.

KUHN, Adalbert [koon], philologist, X. 60.

KÜHSE, Gustav [kü'-nëh], novelist, X. 60.

KÜHNER, Raphael, philologist, X. 61.

Ku-Klu bill, VIII. 160, 1 c.

Ku-Klu Klan, secret organization, XII. 497, 2 a.

KUKOL'NIK, Nestor, Russian author, X. 61.

Kuli Khan [koo'-le kân]: see NADIR SHAH.

KULJA [kool'-ja], province of Russian Turkistan, X. 61. Town, 1 b.

Kulkun [kool'-koon']: see KUENLUX.

Kullmann, attempt to assassinate Bismarck, X. 19, 1 c.

KULM [koolm], Bohemia, battle of, X. 61.

KULM, town of Prussia: see CLM.

Kulu [koo-loo'], species of parrot, VII. 110, 2 b.

KUM [koom], town of Persia, X. 61.

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KUMAOX [kum-a-on'], district of India, X. 61.

Kumbaconum: see COMBACONUM.

Kumbh Mela festival, allusion to, II. 604, 2 b.

KUMISS [koo'-mis], liquor, X. 62; VI. 141, 2 b.

Kumneh, Egyptian fortress, VI. 749, 1 c.

Kunchanee, Hindoo dancing girl, II. 405, 1 a.

KUNERSDORF [koo'-nerce-dorf], village of Prussia, and battle of, X. 62.

Kung, Prince, Chinese statesman, X. 62.

Kung-fu-tse (Confucius), V. 238, 1 c.

Kunigunde, empress [koo-ne-goon'-dëh]: see Cunegunda (Index).

Kunigunde, princess, VIII. 296, 2 a.

Kunkur', calcareous nodule, XIV. 352, 1 c. See XII. 738, 2 a (kankar).

KUNTZ, Karl Sigismund [koont], botanist, X. 62.

KUPIO [koo-o'-pe-o], government of Finland, X. 62. Town, 2 bc.

Kupfernickel [koop'-fer-nik-el], false copper, XII. 431, 2 c; 432, 1 b, 2 b.

*Kuprili, Mohammed*, XI. 696, 1 c. Ahmed, 2 a.  
*Kur* [kooʀ], river of Russian Georgia, X. 62.  
*Kurd-Cubool pass*, Afghanistan, I. 161, 2 c.  
*KURDISTAN* [kooʀ-de-stânʹ], region of Asia, X. 63.  
*Kurds*: see *KURDISTAN*, and IX. 347, 1 b; XIII. 318, 1 b.  
*KURILE ISLANDS* [kooʹ-rilʹ], X. 64.  
*Kuriles*, tribe, I. 215, 2 c. Hairy Kuriles, 216, 1 a. See *KURILE ISLANDS*.  
*Kur'pa*: see *CUDDAH*.  
*KURRACHEE'*, town of India, X. 64.  
*KURSK* [kooʀskʹ], government of Russia, X. 64. Capital city, 2 c.  
*Kurshid Pasha* [kooʀ-sheedʹ pâ-shâʹ], captor of Ali Pasha, I. 311, 1 b, c.  
*KURZ*, Heinrich [kooʀtsʹ], German author, X. 64.  
*KUSKOQUIM RIVER* [kooʀs-ko-kimʹ]: see *ALASKA*, I. 240, 2 bc.  
*Kus-kus* [kooʀsʹ-kooʀsʹ], grass, XVI. 336, 2 c.  
*KÜSSNACHT* [küsʹ-nâʹhtʹ], Swiss village, X. 65. Another, 1 b.  
*KUSTENDJI* [kooʀs-tenʹ-jeʹ], Turkey, X. 65.  
*Küs'trin*, town of Prussia, X. 65.  
*KUTAIH* [koo-tîʹ-ehʹ], Turkey, X. 65 (view).

*KUTAIS* [koo-ticeʹ], government of Asiatic Russia, X. 66. Town, 1 ab.  
*Kutaya* [koo-tâʹ-yaʹ]: see *KUTAIH*.  
*Kutch*, of gold leaf, VIII. 86, 2 b.  
*Kuthim*: see *SAMARITANS*.  
*KUTTENBERG* [kootʹ-ten-bäiʀgʹ], town of Bohemia, X. 66.  
*KUTUZOFF*, Mikhail [koo-tooʹ-zofʹ], prince of Smolensk, Russian general, X. 66. Alluded to, I. 282, 1 b, 2 ab.  
*KÜTZING*, Friedrich Traugott, German naturalist, X. 66.  
*KUTZNER*, Johann Gottlieb [kootsʹ-nerʹ], author, X. 66.  
*Kutzo-Wallaehs*, nomads, I. 55, 1 b.  
*Kuvéra*, Brabman divinity, IX. 230, 2 ab.  
*KUYP*, Albert: see *CUYP*.  
*Kwajah* [kwâ-jâʹ], Mussulman saint, I. 225, 2 b.  
*KWANGSI* [kwang-sēʹ], province of China, X. 67.  
*KWANGTUNG*, province, X. 67.  
*KWEICHOW* [kwî-chowʹ], province, X. 67.  
*KWICKPAK RIVER*: see *ALASKA*, I. 240, 2 b.  
*Kyanizing*, process of preserving wood, VI. 278, 1 bc; XIII. 824, 2 c.  
*Kyloes*, cattle, VIII. 600, 2 ab.  
*Kyrlitza*, form of writing, VII. 834, 1 b.

## L

*L*, a letter, X. 67. Sounds, 1 b. Interchanges with other letters, 2 b. As a numeral sign, 2 c; in abbreviations, *ib.*; in rubrication, *ib.*; on old French coins, *ib.*  
*LAALAND* [lawʹ-lânʹ], Danish island, X. 67.  
*Laar, Pieter van* [larʹ]: see *BAMBOCCIO*.  
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- MÜLLER, Charles Louis [mü-läir], (Müller de Paris), French painter, XII. 31.
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*Sales book*, in bookkeeping. III. 81, 1 a.

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*Salisbury crags*, Edinburgh, VI. 405, 1 c.

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*Salomon*, musical director, VIII. 541, 2 a, ff.

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*Salpæ*, molluscs, XI. 724, 2 b.

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*Saltier* [sál'-teer], in heraldry, VIII. 672, 2 a. Per saltier, 671, 2 c. (See plate.)

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*Salvus publici*, in Roman law, I. 192, 1 c.

*Salt water*, from artesian wells, I. 592, 2 b.

*Salt-water perch*: see WRASSE.

SALTZBURG: see SALZBURG.

*Saluda*, county seat, XI. 524, 2 c.

*Salus*, Sabine goddess of health, IX. 130, 2 ab.

SALUTATION, XIV. 585. Verbal expressions of greeting, 1 a. Formal acts of salutation, 1 c. Military, 2 c.

SALUZZO [sá-loot'-so], Piedmont, XIV. 585.

*Salvá*, Don Francisco [sál-vá], telegraph of, XV. 610, 1 ab.

*Salvador*, San, country: see SAN SALVADOR.

SALVADOR, Joseph, French historian, XIV. 586.

*Salvadora'cea* (botany), XII. 106, 2 b.

*Salvadora Indica* (botany), XII. 106, 2 b.

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SALVANDY, Narcisse Achille de. count [sál-vá'-de], French author, XIV. 587.

*Salva'tor* (zoology), XI. 749, 1 c.

SALVATOR ROSA [sál-vá'-tor]: see ROSA.

SALVI, Giambattista: see SASSOFERRATO.

SALVIA: see SAGE, XIV. 518, 1 c, 519, 1 a. S. officinalis, 518, 1 c (ill.); tricolor, 2 bc; sclarea, 2 c; splendens, 519, 1 a; fulgens, coccinea, patens, and argentea, 1 ab; azurea, Pitcheri, and farinosa, 1 b.

SALVINI, Tommaso [sál-vé'-ne], Italian actor, XIV. 587.

*Salyersville*, county seat, XI. 22, 1 b.

**SALZACH** [záłts'-áh], or Salza, river: see **SALZBURG**, XIV. 588, 1 a.

**SALZBURG** [sawłts'-burg; Ger. záłts'-boorg], duchy of Austria, XIV. 588. History, 1 b. Capital city, 1 c.

*Salzwedel*, mark of [záłts'-vā-del], III. 209, 2 ab.

**SAMANA** [sā-ma-nā'], bay and peninsula of: see **SANTO DOMINGO**, XIV. 622, 1 b, 624, 1 a, ab; **BAEZ**, II. 214, 1 b.

*Samani* [sā-mā'-ne], Persian family of, XIII. 323, 1 c.

**SAMAR** [sā'-mar]: see **PHILIPPINE ISLANDS**, XIII. 417, 2 a.

**SAMARA** [sā-ma-rā'], government of Russia, XIV. 588. Capital city, 2 b.

**SAMARANG**, province of Java, XIV. 588. Capital city, 2 c.

**SAMARCAND'**, city of Asia, XIV. 588.

**SAMARIA**, ancient city of Palestine, XIV. 589.

*Samaritan Pentateuch*, XIV. 590, 1 ab. Manuscript copy of (Samaritan Codex): see **NABULUS**. Hebrew text of the Pentateuch, 1 b.

**SAMARITANS**, XIV. 589; XV. 546, 2 bc; VIII. 589, 1 c.

*Samarobri'va*, ancient town, I. 425, 2 a.

*Sambaquis* [sā<sup>m</sup>-bā'-kees], Brazilian shell mounds, III. 222, 2 a.

*Sambenito* [sām-bā-nē'-to], habit of the inquisition penitents, IX. 294, 2 c; 295, 1 b.

*Samboo*, Asiatic deer, V. 757, 2 a, c.

*Sambre* [sā<sup>m</sup>-br'], river, II. 488, 1 c; XII. 480, 2 b.

*Sambu'cus* (botany), VI. 495, 1 c. *S. Canadensis*, *ib.* (ill.); *laciniata*, 2 b (ill.); *pubens*, 2 c.

*Sameocolo*, town of Bondoo, III. 57, 2 bc.

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*Samian ware*, pottery, XIII. 780, 2 b.

*Samian wine*, VIII. 217, 1 ab.

*Samiel*: see **SIMOOM**.

*Samisen*, musical instrument, IX. 537, 1 bc.

*Samlingsbanke*, hill of, X. 39, 1 b (**KOLDING**).

*Sammicheli* [sām-me-kā'-le], (Michele, 1484-1549), engineering works of, XVI. 322, 2 ab; X. 320, 2 b (**San Micheli**). Architectural works, XVI. 323, 1 a.

*Sammied*, in tanning, X. 275, 1 c.

*Sammuramit*, Assyrian queen, XIV. 760, 1 a, b.

*Samnites*, Italian race, IX. 439, 2 bc.

*Samnite wars*: see **ROME** (Index).

**SAMNIUM**, division of ancient Italy, XIV. 590.

**SAMOAN ISLANDS**, in the S. Pacific, XIV. 590.

*Samogitia*: see **KOVNO**, X. 54, 1 ab.

*Samogitian dialect*, referred to, X. 374, 1 b.

*Samos*: see **CEPHALONIA**.

**SAMOS**, island, XIV. 592. Prince of, 2 b.

*Samos'ata* (ancient capital of Commagene, Syria, on the Euphrates), Paul of: see **PATL OF SAMOSATA**.

**SAMOTHRACE**, island, XIV. 592.

**SAMOYENS'**, nomadic people of Russia, XIV. 592; XVI. 42, 1 b.

*Samp*: see **MAIZE**, XI. 43, 2 c.

*Sampfen wood*, III. 233, 1 a (**BRAZIL WOOD**).

**SAMPHIRE**, plant, XIV. 593 (ill.). Marsh samphire, 2 a (ill.).

**SAMPSON**, county, XIV. 593.

*Sam Slick*, nom de plume, VIII. 391, 2 c.

**SAMSON**, judge of Israel, XIV. 593.

**SAMSON**, George Whitfield, American clergyman, XIV. 594.

**SAMSON**, Joseph Isidore [sā<sup>m</sup>-sō<sup>m</sup>], French actor, XIV. 594.

*Samsun* [sam-soon']: see **MYCALE**.

**SAMUEL**, Hebrew prophet, XIV. 594.

**SAMUEL**, Books of, XIV. 594.

*Samuel*, king of Bulgaria, II. 362, 1 a.

*Samurai* [sā-moo-rī'], Japanese gentry, IX. 545, 1 b; 546, 2 a.

**SANA** [sā-nā'], city of Arabia, XIV. 594.

*San Andreas*, county town, III. 567, 1 c.

**SAN ANTONIO**, city of Texas, XIV. 595.

**SAN ANTONIO RIVER**, XIV. 595.

**SAN AUGUSTINE**, county, XIV. 595. Capital, 2 b.

**SAN BENITO** [bā-nē'-to], county, XIV. 595. Capital, 2 c.

**SAN BERNARDINO** [ber-nar-dē'-no], county, XIV. 595. Capital town, 596, 1 a. Mount, *ib.*; III. 599, 2 b.

*San Buenaventura* [bwā-na-ven-too'-ra], county seat, XVI. 302, 1 a.

*San'cho the Strong*, of Castile, I. 296, 1 a; X. 81, 1 ab, bc, c.

*Sanchoniathon*: see **SANCUNIATHON**.

**SANCUNIATHON** [san-koo-nī'-a-thon], reputed author, XIV. 596.

*Sanci diamond*, referred to, IV. 311, 1 a.

*San Clemente de la Nueva Sevilla*: see **SALTA**, XIV. 580, 2 c.

**SAN CRISTÓBAL**, capital of Chiapas, XIV. 596.

**SANCROFT**, William, English prelate, XIV. 596.

*Sancta sanctorum*, in the church of the Lateran, X. 183, 1 a.

*Sanct-Inghert*: see **INGBERT**.

**SANCTUARY**: see **ASYLUM**.

*Sanctuary*, of the tabernacle, XV. 550, 2 c.

*Sand, firing*, in casting moulds, IV. 76, 1 b.

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**SAND**, Karl [zānt], German political fanatic, XIV. 596.

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 SANDEAU, Léonard Sylvain Jules [sâ<sup>ne</sup>-dô], French author, XIV. 597.  
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*Sandeman, Robert*: see SANDEMANIANS, XIV. 598, 1 a.  
 SANDEMANIANS, religious sect, XIV. 597.  
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*Sanderson*, county seat, II. 228, 1 c.  
*Sandersville*, county seat, XVI. 474, 1 b.  
*Sand flea*: see CHIGO.  
*Sand fly*: see BLACK FLY.  
*Sand glass*, for measuring time, IV. 695, 2 b.  
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*Sand gulfs*, in central Arabia, I. 619, 1 b.  
 SANDHURST, city of Australia, XIV. 598.  
 SAN DIEGO [de-â'-go], county, XIV. 598.  
 SAN DIEGO, city of California, XIV. 599.  
*Sandiver*, in glass making, VIII. 14, 1 a.  
 SAND LAUNCE: see EEL, VI. 448, 1 a.  
 SAND MARTIN: see SWALLOW, XV. 499, 2 ab.  
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*Sandomir* (town of Poland, on the Vistula), synod of, referred to, XIV. 248, 2 c.  
 SANDOVAL, Prudencio de, Spanish historian, XIV. 599.  
 SANDPIPER, bird, XIV. 599. Purple, 2 a; red-backed, 2 ab; least, 2 c (ill.). Bartram's sandpiper, XIII. 619, 1 c. Bird so called, XV. 583, 1 bc.  
*San Donato, prince of*, V. 792, 1 ab (DEMIDOFF).  
*Sandracothus*, king of Maghada, IX. 207, 1 bc.  
 SANDRART, Joachim von, German painter, XIV. 599.  
 SANDS, Robert Charles, American author, XIV. 600.  
*Sands, the*, a market place, VI. 309, 2 c.  
*Sand sea*, plain, VIII. 60, 2 a (Gobi).  
*Sand star*, star fish, XII. 644, 1 a.  
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*Sand storms*, in the Sahara, I. 165, 1 bc, 2 a.  
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 SANDUSKY, city of Ohio, XIV. 601.  
*Sandusky river*, VI. 713, 1 a; XIV. 600, 2 c. Bay, 601, 1 ab.

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 SANDWICH, town of Massachusetts, XIV. 601.  
*Sandwich*, county seat, VI. 735, 1 c.  
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*Sandwirth* [zânt'-veert]: see HOFER, VIII. 753, 2 b.  
*Sandy Hill*, county seat, XVI. 473, 1 c.  
*Sandy Hook*, New York bay, XII. 384, 1 ab. (See map.)  
*Sandy Hook*, county seat, VI. 545, 1 b.  
*Sandy river*, Big, Kentucky, IX. 798, 1 c.  
 SANDYS, Sir Edwin, English statesman, XIV. 601. George, poet, 2 c.  
*San Felipe de Austria* [sân fâ-le'-pâ dâ ows'-tre-a], (Oruro), XII. 713, 2 b.  
*San Felipe de Lerma* [lâir'-ma], (Salta), XIV. 580, 2 c.  
 SAN FERNANDO, city of Spain, XIV. 602.  
*San Fernando*, citadel or castle of, VII. 184, 1 b.  
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 SAN FRANCISCO BAY, XIV. 605. Discovery of, III. 612, 2 bc.  
*San Francisco de Asis* [dâ â-seece'], mission of, XIV. 604, 2 c.  
 SAN'GAMON, county, XIV. 605.  
*San Giovanni in Fonte* [jo-vân'-ne in fon'-tâ], baptistery or church of, Rome, X. 183, 2 ab.  
*Sangler* [sang'-gle-er; Fr. sâ<sup>ne</sup>-gle-â], II. 764, 2 a (BOAR).  
*Sang-de-rate* [sâ<sup>ne</sup>-dûh-rât], disease of sheep, XII. 60, 2 c.  
*San gréal* [sâ<sup>ne</sup> grâ-âl]: see GRAAL.  
 SANGUINARIA: see BLOODROOT, II. 738, 2 bc (ill.).  
*Sanguinaria*, alkaloid, VIII. 544, 2 a.  
*Sanguinarine* [sang-gwin'-a-rin], alkaline principle, II. 739, 1 c.  
*Sanguis'uga* (zoölogy), X. 310, 1 a. S. medicinalis or officialis, 2 ab (ill.).  
 SAN'HEDRIM, Jewish supreme council, XIV. 605.  
*Sanic'ula Canadensis*, *S. Marilandica* (botany), XV. 131, 1 ab.  
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*San Ildefonso*: see LA GRANJA. League of, XV. 213, 1 bc.  
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 SAN JACINTO, county, XIV. 606.



*Sanjak*, political division in Turkey, XVI. 59, 1 c. See VILAYET.

*Sanjakbeg*, Turkish officer, XIV. 662, 2 c.

SAN JOAQUIN [hwá-keen'], river of California, XIV. 606.

SAN JOAQUIN, county, XIV. 606.

SAN JOSÉ [ho-sá'], city of California, XIV. 606.

SAN JOSÉ, capital of Costa Rica, XIV. 607.

SAN JUAN [hwán], island, Washington territory, XIV. 607.

*San Juan*, island: see GUAHAN.

*San Juan de la Frontera* [sán 'hwán dā lá frone-tā'-ra]: see CHACHAPOVAS.

SAN JUAN DE NICARAGUA, port, XIV. 607; XII. 421, 1 c, 424, 2 ab, 425, 2 ab.

*San Juan del Norte* [dail nore'-tā]: see SAN JUAN DE NICARAGUA (Index).

SAN JUAN DE PUERTO RICO, city, XIV. 608.

*San Juan district*, Rocky mountains, XIV. 377, 2 b.

SAN JUAN RIVER: see NICARAGUA, XII. 421, 2 a.

*San Julian de Peyrero*, knights of, I. 260, 1 a.

*Sānkhyā* [sán'-kya], Hindoo system of philosophy, IX. 227, 2 b, c. Kapila's, 228, 1 a.

*San Lazaro* [sán lú'-tsa-ro], Venetian island, Armenian monastery upon, XI. 364, 2 b; XVI. 297, 2 c.

*San Leandro*, county seat, I. 236, 1 b.

SAN LUCAR DE BARRAMEDA [sán loo'-kar dā bár-ra-má'-tha], city of Spain, XIV. 608.

SAN LUIS [loo-eece'], province of the Argentine Republic, XIV. 608. Capital city, 1 c.

SAN LUIS OBISPO, county, XIV. 608. Capital, 2 b.

*San Luis park*, Colorado, V. 101, 1 b; XIV. 377, 2 a, 380, 1 b (valley).

SAN LUIS POTOSÍ [po-to-sé'], state of Mexico, XIV. 608. Capital city, 2 b.

*San Luis de la Punta* [dā lá poon'-ta]: see SAN LUIS, XIV. 608, 2 a.

*San Luiz de Maranhão* [sán loo-eece' dā má-rá-nyow<sup>ee</sup>], city, XI. 143, 1 c.

*San Mareo*, fortress, St. Augustine, XIV. 525, 1 b.

*San Marcos* [-koce], county seat, VIII. 548, 1 b.

SAN MARINO [má-re'-no], republic of Italy, XIV. 608. Capital, 609, 1 a. Referred to, IX. 451, 2 ab.

*San Martin* [mar-teen'], volcano, XI. 466, 1 ab. SAN MARTIN, José de, Argentine general, XIV. 609.

*San Martini* [mar-té'-ne]. Italian composer, VIII. 542, 2 bc.

*San Martino*, Este, leaning belfry of, VI. 739, 1 c.

SAN MATEO [má-tá'-o], county, XIV. 609.

*San Mateo del Pilon*: see MORELOS, XI. 825, 2 c.

*San Michele* [me-kā'-lá], hospital of, XII. 579, 2 c.

*San Micheli*, architect: see *Sammicheli* (Index).

SAN MIGUEL [me-ghél'], county, XIV. 609.

SAN MIGUEL [me-gail'], city of San Salvador, XIV. 609.

*San Miguel*, city: see PIURA, XIII. 557, 2 c.

SAN MIGUEL, Evariste, duke de, Spanish general, XIV. 609.

SANNAZARO, Jacopo [sán-ná'-dza-ro], Italian poet, XIV. 609.

*San Pablo bay*, California, XIV. 605, 2 b.

SAN PATRICIO [pá-tré'-se-o], county, XIV. 609. Capital, 2 c.

SAN PETE [pá'-tā], county, XIV. 609.

*San Petronio*, basilica of, Bologna, III. 18, 1 c.

*Sanquhar declaration* [san'-kwár], III. 656, 1 c (CAMERONIANS).

*San Rafael*, county seat, XI. 167, 1 c.

SAN REMO [rá'-mo], town of Italy, XIV. 610.

SAN ROQUE [ro'-kā], city of Spain, XIV. 610.

SAN SABA [sá'-ba], county, XIV. 610. Capital, 1 b.

SAN SALVADOR' [Sp. sál-va-thore'], republic of Central America, XIV. 610. History, 611, 1 a. Capital city, 1 c.

SAN SALVADOR, island, Bahamas, XIV. 611.

SAN SALVADOR, city of Brazil: see BAHIA.

*Sansam*, mixed oriental race, XI. 59, 2 a.

*Sansara* [san-sá'-ra], in Buddhism, III. 398, 2 ab.

*Sansculottides* [sá<sup>ne</sup>-kū-lut-toed], in the French revolutionary calendar, III. 580, 1 c.

SAN SEBASTIAN [sā-bás-te-án']: see SAINT SEBASTIAN.

SANSKRIT, literary language of the Hindoos, XIV. 611. Written character, 612, 1 b. Euphonic rules, 2 a. Accents, 2 b. Grammar, 2 bc, 615, 1 b. Metre, 614, 1 a. Literature, 1 ab. Sanskrit grammars, 615, 2 b. Dictionaries, 2 bc.

*Sanskrit college*, in Benares, II. 515, 1 a.

SANSON, Nicolas [sá<sup>ne</sup>-sō<sup>ne</sup>], French geographer, XIV. 616.

*San Stefano* [stā'-fa-no], church of, Bologna, III. 18, 1 c.

SANTA ASA [sán'-ta á'-nyá], county, XIV. 616.

*Santa Aña de Tamaulipas*: see TAMPICO.

*Santa Anna*, island: see BANANAL.

SANTA ANNA, Antonio Lopez de, Mexican general, XIV. 616; I. 235, 2 c; IX. 16, 2 c; XI. 477, 1 c, 2 bc, c, 478, 1 bc, 479, 2 a; XV. 677, 2 b, bc, 678, 1 ab, c, 2 b. (Died 1876.)

SANTA BARBARA, county, XIV. 617. Capital, 1 c.

*Santa Barbara*, island of Brazil, III. 218, 1 c.

SANTA CATHARINA [ká-ta-ré'-na], province of Brazil, XIV. 617. Capital: see DESTERRO.

SANTA CLARA, county, XIV. 617.

SANTA CLARA COLLEGE: see SAN JOSÉ.

*Santa Claus*: see CHRISTMAS, IV. 552, 1 b.

*Santa Croce* [kro'-châ], church of, in Florence, VII. 275, 2 c.

SANTA CRUZ [krooss], county, XIV. 617.

*Santa Cruz*, county seat, XIV. 618, 1 a.

SANTA CRUZ, island, West Indies, XIV. 618.

SANTA CRUZ, capital of the Canary islands, XIV. 618.

SANTA FÉ [fâ], Argentine province, XIV. 618.

SANTA FÉ, county, XIV. 618.

SANTA FÉ, capital of New Mexico, XIV. 618 (ill.).

SANTA FÉ DE BOGOTÁ: see BOGOTÁ.

*Santal*, tribe in India, IX. 214, 2 c.

*Santal'ic acid*, XIV. 597, 2 a.

*Santaline* [san'-ta-lin]: see *Santal'ic acid* (Index).

*Santalum* (botany), XIV. 596, 2 bc. S. album, 2 c (ill.).

SANTA MARIA [mâ-ré'-a], city of Spain, XIV. 619.

*Santa Maria de la Almudena* [dâ lâ âl-moo-thâ'-na], church in Madrid, X. 835, 1 c.

*Santa Maria del Fiore* [fe-o'-râ], duomo of Florence, VII. 275, 1 ab.

*Santa Maria Maggiore* [mâd-jo'-râ], church of, in Bergamo, II. 555, 1 b; in Rome, XIV. 414, 2 a.

*Santa Maria Matricolare* [mâ-tre-ko-lâ'-râ], cathedral of, Verona, XVI. 322, 2 bc.

SANTA MARTA, city of Colombia, XIV. 619.

SANTA MAURA [mow'-ra], island, XIV. 619.

*Santana, Pedro* [sân-tâ'-na], president of Santo Domingo, XIV. 623, 2 ab, ff. (Died 1864.)

SANTAN'DER [Sp. sán-tân-thâir'], province of Spain, XIV. 619. Capital city, 620, 1 a.

*Santander* (Francisco de Paula de, 1782-1840), S. American patriot, III. 8, 2 b, c; 9, 1 a, bc, c, 2 c; V. 89, 1 a.

SANTAREM [sâ'-ta-rê'-e'], town of Portugal, XIV. 620; I. 297, 1 c.

SANTA ROSA, county, XIV. 620.

*Santa Rosa*, county seat, XV. 165, 1 a.

*Santa seula*, in the Lateran, X. 182, 2 c.

SANTEE', river of South Carolina, XIV. 620.

SANTERRE, Antoine Joseph [sâ'-tâir], French revolutionist, XIV. 620.

SANTIAGO [sân-te-â'-go], province of Chili, XIV. 620. Capital of the province and of Chili, 2 b.

SANTIAGO, Argentine province, XIV. 621.

SANTIAGO DE COMPOSTELA [dâ kome-poce-tâ'-la], city of Spain, XIV. 621.

SANTIAGO DE CUBA, city of Cuba, XIV. 621.

*Santiago de Leon de Cardeas*, city, III. 765, 1 c.

*Santiago del Estero*: see SANTIAGO, XIV. 621, 1 b.

*Santiago del Nuevo Extremo*, city, XIV. 621, 1 b.

SANTIAGO DE LOS CABALLEROS [dâ loce kâ-bâ-lyâ'-roce], city of Sauto Domingo, XIV. 621.

First name of Old Guatemala, VIII. 292, 1 b.

SANTILLANA, Marquis de [sân-te-lyâ'-na]: see MENDOZA.

SANTO DOMINGO, republic, West Indies, XIV.

622. Physical features: see HATTI. Boundaries and extent, 1 ab. Harbors and bays, 1 b.

Soil and productions, 1 bc. Fauna, 1 c. Minerals, 2 a. Climate, 2 b. Population, 2 bc.

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160, 1 b.

SANTO DOMINGO, city, XIV. 624. Cathedral,

2 a (ill.). History, 2 b.

*Santones* [san'-to-nee]: see SAINTES.

*Santonine* [san'-to-min], drug, XVI. 731, 1 ab; VI. 670, 2 b.

SANTORIN: see THERA. Wine, VIII. 217, 1 a.

SANTORINI, Giovanni Domenico [sân-to-rê'-ne],

Italian anatomist, XIV. 624. Cartilages of, 2 c.

*San Vitale, Eleonora* [ve-tâ'-lâ], referred to, VI. 517, 2 c.

*San Zenone*, church of, in Verona, XVI. 322, 2 c.

*Sanzio, Raffaele* [sân'-tse-o]: see RAPHAEL.

*São Felipe de Benguela* [sow'-fâ-lê'-pâ dâ bengâ'-la], capital city, II. 527, 1 b.

SÃO FRANCISCO, river: see BRAZIL, III. 220, 1 c.

*Saonchiogwa*, Indian chief, IV. 161, 2 a.

SAÔNE [soan], river of France, XIV. 625.

SAÔNE, Haute: see HAUTE-SAÔNE.

SAÔNE-ET-LOIRE [-â-lwâr], department, XIV. 625.

SÃO PAULO [sow'-pow'-lo], province of Brazil, XIV. 625. Capital city, 2 a.

SÃO PEDRO DO RIO GRANDE DO SUL [sow'-pâ-dro do rê'-o grân'-dâ do sool], province of Brazil, XIV. 625. City, 626, 1 a.

SAP: see PLANT, XIII. 582, 2 bc (movement of liquids); FUEL, VII. 515, 2 c. Circulation of, in plants, I. 194, 2 ab. Crude sap,

XIII. 575, 1 c; 582, 1 ab. Green sap (pigment), III. 390, 2 bc.

*Sap*, in a siege, XV. 29, 2 b.

SAPAJOU [sap'-a-joo]: see MONKEY, XI. 750, 2 c.

Horned, 751, 1 bc.

SAPAN WOOD, a dyewood, XIV. 626; III. 232, 2 c.

*Saphra*, in Jewish literature, VIII. 595, 1 a.

*Sapienza, college of* [sâ-pe-en'-dza], (university of Rome, so named from its inscription,

- Initium sapientiæ timor Domini*, I. 280, 2 b ; XVI. 210, 2 c. See X. 347, 1 c.
- Sapindus saponaria* (botany), XV. 138, 2 a.
- Saponaria officinalis* (botany), XV. 138, 2 a.
- Saponifiable fats*, II. 729, 2 a.
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- SAPOR*: see PERSIA, XIII. 322, 2 b.
- Sappers*, in a siege, XV. 29, 2 b.
- SAPPHIRE* [saf'-fer, or saf'-fire], precious stone, XIV. 626. Blue sapphire, 2 a ; red, or ruby, 2 ab ; violet, 627, 1 a. Artificial sapphires, 1 b.
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- Sappho, the German*, so called, IX. 770, 1 a.
- Saps*, a color, VII. 185, 2 b.
- Sapsucker*, bird, XVI. 709, 2 a.
- Saptin river*: see SNAKE RIVER.
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- Sapucaia*, tree, III. 223, 2 c. Sapucaia nuts, *ib.*
- Sap wood*, of a tree, XIII. 580, 1 bc ; I. 259, 1 b.
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- SARAGOSSA*, province of Spain, XIV. 627. Capital city, 2 c. Sieges of, 628, 1 a ; XII. 816, 2 c.
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- Sarah Sands*, a gold nugget, VIII. 73, 1 a.
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- Sarakatzanes*, nomadic tribe, I. 55, 1 bc.
- Saramaca negroes* [sä-ra-mä'-ka], XI. 184, 2 ab.
- Saranac' river*, I. 121, 2 a ; XIII. 605, 1 bc.
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- Sarasvatî* [sä-räs-vä'-tē], Hindoo goddess, IX. 224, 2 b ; 226, 2 a ; 230, 1 a.
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- SARATOGA*, Battle of, XIV. 628. Proposed monument, 629, 1 ab.
- SARATOGA SPRINGS*, village of New York, XIV. 629. Number and names of springs, 1 b. History, 2 a. Analyses, XI. 593, 1 b.
- SARATOV* [sä-rä'-tov], government of Russia, XIV. 629. Capital city, 2 c.
- SARAWAK*, state in Borneo, XIV. 629. Physical features, 2 c. Minerals and vegetation, 630, 1 b. Population, *ib.* History, 1 c ; III. 317, 1 a. Government, XIV. 630, 2 a. Capital, 2 ab.
- Sarazins*, *sarazinois* [sä-rä-zä'ng, -ze-nä]: see TA-PESTREY, XV. 568, 1 c.
- SARBER*, county, XIV. 630.
- Sarchodon*, Assyrian king, VI. 723, 1 c.
- SAR'CODE*: see ANIMALCULES, I. 514, 1 b ; PROTOPLASM, XIV. 35, 1 b ; VII. 311, 1 c ; VIII. 34, 2 ab.
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- Sarco'ma*, kind of tumor, XVI. 29, 2 a.
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- Sarcop'tes* (epizoa), VI. 695, 1 b. *S. hominis*, *ib.*, 1 c. *S. scabiei*, IX. 469, 2 ab.
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- Sardari* [sar-dä'-re], pass, Elburz mountains, VI. 494, 2 b.
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- SARDINIA*, island, XIV. 631. Coast, 2 c. Surface, 632, 1 ab. Minerals, 1 b. Soil and productions, *ib.* Climate, 2 a. History, 2 ab. Kingdom of: see SARDINIAN STATES.
- SARDINIAN STATES*, XIV. 632. Extent and population, 633, 1 a. Origin and history, *ib.*
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- SAEDOU*, Victorien, French dramatist, XIV. 633.
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- SARGENT*, Epes, American author, XIV. 633.

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*Sargus* (ichthyology), XIV. 839, 2 c. S. ovis, 840, 1 a (ill.).

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*Sarissa*, military weapon, I. 734, 2 b; 740, 2 b.

*Sark*, Channel island, IV. 261, 2 c.

*Sarkidiornis* (ornithology), VIII. 104, 2 c.

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*Sarmatic pass*, of the Caucasus, IV. 133, 1 c.

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*Sarnen*, league of, Swiss, XV. 531, 2 c.

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*Sarpsfoss*, cataract, Norway, VIII. 35, 1 b.

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SARTI, Giuseppe, Italian composer, XIV. 636.

SARTO, Andrea Vanucchi del, Italian painter, XIV. 636.

*Sarts*, race, IX. 820, 2 c (according to Vámbéry); XVI. 67, 1 c, 239, 2 b (more correctly, according to Shaw and Schnyder).

SARUM, Old, England, XIV. 636. New Sarum, 2 ab. See SALISBURY.

*Sarum use*, prayer book, V. 153, 1 ab.

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*Sarzana, Tommaso da* [sar-dzá'-na], (Pope Nicholas V.), XII. 429, 2 b.

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*Sassia*, part of Rome, X. 354, 1 bc.

SASSOFERRATO [sás-so-fáir-rá'-to], (Giovanni Battista Salvi), Italian painter, XIV. 638.

*Sassoline* [sás'-so-lín], native boric acid, III. 96, 1 a, 2 a.

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SATTARA [sát-tá'-ra], collectorate of Bombay, XIV. 639. Capital, 1 c.

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*Saturnia* (Italy), IX. 449, 1 ab.

*Saturni'ada* (entomology), X. 869, 1 b.

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*Sauchieburn, battle of*, II. 287, 2 c; IX. 515, 2 ab.

*Sauc'o'na*, river: see SAÔNE.

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*Sauk Rapids*, county seat, II. 542, 1 b.

*Sauks*: see SACS.

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*Saul*, tree, IX. 203, 2 ab.

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SAULT STE. MARIE [soo saint mā'-re; Fr. so sã't mā-rè], or Sault de Ste. Marie, village of Michigan, XIV. 642. Of Canada, 2 bc.

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SANDERSON, Nicholas, English mathematician, XIV. 643.

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SAURIN, Jacques [so-rä'w], French Protestant clergyman, XIV. 643. "Saurin's Bible," 2 b.

*Sauroids*, family of, VII. 616, 1 c.

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*Sauternes* [so-täirn], district of France, VII. 411, 1 c. Wines of, *ib.*

*Sauteur* [so-tül], (Ojibways), XII. 605, 2 c.

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*Sauvolle* [so-vüll], first colonial governor of Louisiana, X. 338, 1 c; II. 629, 2 a.

*Savage, John* (born 1828, editor and author), Fenian leader, VII. 129, 1 ab; 130, 1 a, bc, 2 b.

SAVAGE, Marmion W., Irish novelist, XIV. 644.

SAVAGE, Richard, English poet, XIV. 644.

*Savage, Dr. T. S.* (American missionary), discoverer of the gorilla, VIII. 115, 2 c, ff.

*Savage of Aveyron*, wild boy, IX. 170, 2 b.

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*Savannah*, county seats, I. 485, 1 a; III. 489, 1 a; VIII. 453, 2 a.

*Savannah cricket*, XV. 855, 1 a.

SAVANNAH RIVER: see GEORGIA, VII. 716, 2 c.

*Savannahs*: see YEMASSEES, and SHAWNEES, XIV. 833, 1 a.

SAVARY, Anne Jean Marie René [sä-vä-re], duke of Rovigo, French soldier, XIV. 646; I. 306, 2 a.

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*Savery, Thomas*, steam engine of, XV. 339, 2 b.

SAVIGNY, Friedrich Karl von [sä-vé-nyē], German jurist, XIV. 647.

SAVILLE, George [sav'-il], marquis of Halifax, English statesman, XIV. 647.

*Saville*: see SAVILE.

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*Savitri* [sä-vē'-tre], in Hindoo theology, IX. 223, 2 bc; 225, 1 a.

SAVOIE [sä-vwü], department of France: see SAVOY, XIV. 650, 2 a.

SAVOIE, Haute: see HAUTE-SAVOIE.

SAVO'NA, city of Italy, XIV. 649.

SAVONARO'LA, Girolamo, Italian reformer, XIV. 649. Condemnation and execution, 2 b.

*Savonarola, Don Jeremy*, pseudonyme, XI. 26, 2a.

*Savonnerie* [sä-vün-rē], carpet manufactory, Paris, IV. 160, 1 c.

SAV'OY, territory of France, XIV. 649. Department of Savoie, 650, 2 a. History, *ib.*

*Savoy, St. Mary le*, church, London, X. 598, 1 bc.

*Savoy conference*, London, V. 154, 2 bc.

*Savus*, river: see SAVE.

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*Sawbill* (goosander), VIII. 104, 1 c.

SAW FISH, XIV. 652. Common, 653, 1 c (ill.).

SAW FLY, XIV. 653. Elm saw fly, 2 c (ill.); fir, 654, 1 ab (ill.); pine, 1 c; vine, *ib.* (ill.).

*Saw-whet* (owl), XII. 755, 1 ab.

SAWYER, Thomas Jefferson, American clergyman, XIV. 654. Caroline M., author, 2 b.

*Sax*: see SLATE, XV. 88, 1 c.

SAXE, John Godfrey, American author, XIV. 654.

SAXE, Maurice, count de, marshal of France, XIV. 655; X. 42, 1 c. Relations with the young pretender, IV. 311, 2 bc.

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SAXE-COBURG-GOTHA [sax-ko'-boorg-go'-ta], duchy of the German empire, XIV. 655.

SAXE-LAUBURG: see LAUBURG.

SAXE-MEININGEN-HILDBURGHAUSEN [-mī'-ning-en-hild'-boorg-how-zen], duchy, XIV. 655.

SAXE-WEIMAR-EISENACH [-vī'-mar-ī'-zēh-nā'h], grand duchy, XIV. 656.

*Sax horn*, musical instrument, VIII. 818, 1 bc.

*Saxic'ava* (mollusca), XV. 400, 2 bc. *S. rugosa*, *ib.*

*Saxicava sand*, VI. 111, 2 c.

- Saxic'ola rubic'ola* (ornithology), XV. 400, 2 c (ill.). *S. rubetra*, 401, 1 b.
- Saxif'raga* (botany), XIV. 656, 1 bc. *S. Virginien'sis*, 1 c (ill.); *Pennsylvanica*, 2 b; *crassifolia*, 2 c (ill.); *umbrosa*, *ib.*; *peltata* and *sarmentosa*, 657, 1 a. Leaves of *S. crassifolia* a substitute for tea, I. 358, 2 b.
- SAX'IFRAGE, plant, XIV. 656. Early or Virginian, 1 c (ill.); swamp, 2 b; thick-leaved, 2 c (ill.); umbrella, 657, 1 a. Beefsteak and strawberry geranium, &c., *ib.*
- Saxnot*, in Saxon mythology, XII. 120, 1 c.
- SAXO GRAMMATICUS, Danish historian, XIV. 657. His history of Denmark, I. 33, 2 b; VI. 17, 2 a.
- Saronia Transalbiana*, VIII. 772, 2 a.
- SAXONS, XIV. 657; VII. 739, 1 b. Saxon dynasty in Germany, 753, 1 a. Saxon architecture, I. 661, 1 b; 662, 2 a.
- Saxons*, in Transylvania, XV. 846, 2 a, ab. Land of the, 2 bc.
- Saxon Switzerland*, XIV. 658, 1 a.
- SAXONY, kingdom of Germany, XIV. 657. Government, 658, 1 bc. History, 2 a.
- SAXONY, province of Prussia, XIV. 659.
- Saxony blue*, in dyeing, VI. 341, 2 bc.
- SAXTON, Joseph, American inventor, XIV. 659. His metallic thermometer (for ocean depths), II. 74, 2 a.
- SAY, Jean Baptiste, French political economist, XIV. 659; XIII. 671, 1 ab. Horace Émile and Léon, XIV. 660, 1 a.
- SAY, Thomas, American naturalist, XIV. 660.
- Sayanian range*, Altai mountains, I. 358, 1 c.
- Saybrook* (post township and village, Conn., on Long Island sound), origin of the name, VII. 132, 1 c. First seat of Yale college, XVI. 763, 2 b. Saybrook synod (of Congregationalists, authors of the Saybrook platform), V. 244, 2 b.
- Sayer's plot*, alluded to, III. 174, 1 c.
- Sayornis fuscus* (ornithology), XIII. 376, 1 b (ill.).
- SCABARD FISH, XIV. 660. Silvery hair-tail, 1 c (ill.).
- Seabeccio* [ská-bet'-cho], preserved tunny, VII. 228, 2 bc.
- Seabies* [ská'-be-eez]: see ITCH.
- SCÆVOLA, Caius Mucius [sev'-o-la], legendary Roman hero, XIV. 660; XIII. 721, 1 a. Quintus Mucius, the augur, XIV. 660, 2 b. Quintus Mucius, the pontifex, *ib.*; X. 193, 2 c.
- SCALA [ská'-la], noble Italian family, XIV. 660.
- Scalaria* (mollusca), XVI. 553, 2 a. *S. Greenlandica*, 2 ab. *S. pretiosa*, 2 b (ill.).
- SCALD [skawld]: see BURNS AND SCALDS.
- Scaldis*, river: see SCHELDT.
- Scalds* [skálds], Scandinavian bards, II. 307, 1 a; IX. 155, 1 bc (skalds).
- SCALE, a graduated line, XIV. 661; XVI. 537, 2 c. See GUNTER, and SECTOR.
- SCALE, Musical: see MUSIC, XII. 78, 2 a.
- SCALES: see WEIGHING MACHINES.
- SCALES, of fishes: see COMPARATIVE ANATOMY, V. 183, 1 c.
- Scales*, of a lily bulb, X. 267, 1 ab.
- SCAL'IGER, Julius Cæsar, Italian philologist, XIV. 661. Joseph Justus, 1 c.
- Scaligerana*, I. 448, 2 bc (ANA); XIV. 661, 2 ab.
- Scaligeri* [ska-lij'-e-re]: see SCALA.
- Scallions*, XII. 631, 1 bc (ONION).
- SCALLOP [skol'-lup], bivalve, XIV. 661 (ill.).
- Scallops* (zoölogy), XI. 705, 1 bc; 706, 1 c (ill.). *S. aquaticus*, 2 a.
- Scalps*, Indian, first brought to Boston, III. 127, 1 ab.
- SCALY ANT-EATER: see PANGOLIN.
- SCAMANDER, river of Troas, XIV. 662. See TROY, XVI. 9, 2 c.
- SCAMMONY, plant and drug, XIV. 662 (ill.). Adulteration of, I. 134, 1 c, 2 a.
- SCAN'DERBEG, Albanian prince, XIV. 662; I. 244, 2 c.
- SCANDINAVIA, XIV. 663.
- Scandinavian cosmogony*, XII. 119, 2 b.
- SCANSO'RES, order of birds, XIV. 663.
- Scapa'nus* (zoölogy), XI. 706, 1 c. *S. aquaticus*, *ib.*
- Scapegrace*, bird, VI. 153, 1 c. \*
- Scape wheel*, of a clock or watch, IV. 696, 2 b.
- Scaphid'rus* (ornithology), VIII. 146, 1 c.
- Scapino* [ská-pé'-no], VIII. 463, 2 a (HARLEQUIN).
- SCAP'ULAR, part of a religious habit, XIV. 663. Alleged gift of the Virgin Mary, XI. 218, 1 b.
- Scapulars*, in plumage, VII. 105, 2 c.
- Scarabæ'i*, in gem engraving, VII. 663, 2 a.
- Scarabæidæ* (entomology), XIV. 663, 2 bc; II. 477, 1 c.
- SCARABÆUS, genus of beetles, XIV. 663 (ill., 664); II. 477, 1 ab. *S. enema* (ill.), *ib.*; *pilularius*, 469, 1 ab; *sacer*, XIV. 60, 1 b, 664, 1 a; *Ægyptiorum*, *ib.*
- SCARBOROUGH, town of England, XIV. 664.
- Scarificator*, in cupping, V. 579, 1 b.
- SCARLATINA: see FEVERS, VII. 170, 1 ab. *S. anginosa*, 1 c. *S. rheumatica*, VI. 8, 2 a.
- SCARLATTI, Alessandro, Italian composer, XIV. 664. Domenico, composer, 1 c.

SCARLET FEVER: see FEVERS, VII. 170, 1 ab.

*Scurlett, Sir James*: see ARINGER, Lord.

*Scaro* [ská'-ro], fish, XIII. 127, 2 bc.

SCARPA, Antonio, Italian anatomist, XIV. 664.

Scarpa's needle, for couching, IV. 102, 1 c.

SCARPANTO, island of Turkey, XIV. 664.

*Scarpe*, in heraldry, VIII. 672, 1 c.

*Scarp walls*, in fortification, VII. 329, 1 bc.

SCARRON, Paul [skär-rō<sup>ne</sup>], French author, XIV. 664. See MAINTENON, XI. 39, 2 b.

*Scarus* (ichthyology), XIII. 127, 1 b (ill.). S. Cretensis, 2 ab. S. Abilgaardii and guacamaia, 2 c.

*Scatophaga* (entomology), VI. 130, 1 bc. S. stercoraria, VII. 295, 1 b; furecata, *ib*.

*Scavp duck*, VI. 289, 2 ab (ill., 288); III. 733, 2 ab, 734, 1 a.

SCAURUS, Marcus Æmilins, Roman senator and consul, XIV. 664. Officer and peculator, 2 c. Betrayer of Pompey, 665, 1 b. Mamercus, orator and poet, *ib*.

"*Seavenger's daughter, the*," instrument of torture, XV. 815, 1 b.

*Scelidotherium*, extinct animal, XII. 110, 2 bc.

*Scena*, in a Greek theatre, XV. 685, 2 a.

*Schaaffhausen* [sháf'-how-zen], archæologist, VII. 198, 2 c; 199, 1 a.

*Schabziegerkäse* [sháp'-tse-gher-kā-zēh], IV. 352, 2 b.

SCHADOW, Johann Gottfried [shá'-do], German sculptor, XIV. 665. Friedrich Wilhelm von Schadow-Godenhaus, painter, 1 c.

*Schafarik* [shá'-fa-rik], (Paul Joseph, 1795-1861), Slavie scholar, II. 789, 2 b, c; XV. 103, 2 a, 104, 2 a.

SCHÄFER, Heinrich [shā'-fer], German historian, XIV. 665.

SCHAFF, Philip [sháf], American scholar, XIV. 665. His views of the Lutheran worship, X. 734, 1 ab.

SCHIAFFHAUSEN [sháf'-how-zen], canton of Switzerland, XIV. 666. Capital, 1 b.

*Scharlachberger wine* [shar'-lá'h-bäir-gher], II. 644, 1 c.

SCHAUFLER, William Gottlieb [Ger. show'-fler], American missionary, XIV. 666.

SCHAUMBURG-LIPPE [showm'-boorg-lip'-pēh], principality of Germany, XIV. 666.

SCHÉELE, Karl Wilhelm [shā'-lēh], Swedish chemist, XIV. 666. His investigations and discoveries in chemistry, IV. 362, 1 c.

*Scheele's green* [sheelz], V. 319, 1 a.

*Scheelite* [sheel'-e-tiū], mineral, XVI. 30, 1 b.

*Scheen*: see *Schene* (Index).

SCHÉFFER, Ary [Fr. shefr'], French painter, XIV. 666; IV. 242, 2 b. Henri, painter, XIV. 666, 2 bc.

*Scheffler, Johann*: see ANGELUS SILESII.

*Scheiner* [shí'-ner], (Christoph, 1575-1650, German Jesuit and professor), discovery of the sun spots by (1611), XV. 471, 2 a.

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*Schelestadt* [shail-stát]: see SCHLETTSTADT.

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"*Schellingism, New*," XIV. 669, 2 ab.

*Schema de Parco* [ské'-ma], Roman Catholic catechism, IV. 105, 1 b.

SCHENITZ [shem'-nits], town of Hungary, XIV. 669.

SCHENCK, Robert Cumming [skenk], American statesman, XIV. 670.

*Schene* [sheen], (Richmond, Eng.), XIV. 322, 2 c.

SCHENECTADY [ske-nek'-ta-de], county, XIV. 670.

SCHENECTADY, city of New York, XIV. 670.

*Schenkier* [shenk'-beer], II. 469, 2 c (BEER).

SCHENKEL, Daniel [shen'-kel], German theologian, XIV. 670.

SCHERIA [ské'-re-a], legendary island, XIV. 670; V. 351, 2 b.

SCHERR, Johannes [shäir], author, XIV. 670.

SCHERZER, Karl von, chevalier [shäir'-tser], traveller, XIV. 670.

*Scherzo* [skäir'-tso], in music, XII. 91, 1 b.

*Scheutz, G. and E.* [sboits], calculating machine of, III. 569, 2 b.

SCHVENINGEN [skā'-ven-ing-en], Dutch watering place, XIV. 671.

SCHICK, Gottlieb [shik], German painter, XIV. 671.

SCHIEDAM [ské'-dām], town, Netherlands, XIV. 671. Schiedam schnapps, 1 c. See GIN.

SCHILLER, Johann Christoph Friedrich von [shil'-ler], German poet, XIV. 671; VII. 767, 2 ab.

SCHILLING, Johannes, sculptor, XIV. 672.

*Schinderhannes* [shin'-der-hân-ness], predatory leader, IV. 343, 2 c.

SCHINKEL, Karl Friedrich, architect and painter, XIV. 672.

*Schinus* [skí'-nus], (botany), XIII. 281, 1 ab. S. molle, *ib*. (ill.).

*Schism, the great* [sizm], between the Greek and Roman churches, VIII. 218, 1 a. Founder of, XIII. 467, 2 c.

*Schism, the great western*, in the Roman church, V. 268, 1 b. See CLEMENT VII., IV. 662, 1 b-c. Termination of, 2 c.

*Schistes o'nyx* [skis'-teez], (mineralogy), for cutting cameos, III. 653, 1 a.

*Schists* [shists], XV. 87, 2 b (SLATE).

*Schizogeny* [skiz-oj'-e-ne], a form of agamic multiplication, XV. 320, 2 bc.

SCHLAGINTWEIT, Hermann, Adolf, and Robert [shlá'-ghin-twite], German travellers, XIV. 672; VIII. 733, 2 b. Eduard, soldier and author, XIV. 673, 2 b. Emil, orientalist, *ib.*

SCHLATTER, Michael [shlát'-ter], Swiss missionary, XIV. 673.

SCHLEGEL, August Wilhelm von [shlá'-ghel], German scholar, XIV. 674. Friedrich Karl Wilhelm von, author, 1 c; XI. 807, 2 a. See GERMANY, Language and Literature of, VII. 768, 1 bc.

SOHLICHER, August [shlí'-cher], philologist, XIV. 674.

SCHLEIDEN, Matthias Jakob [shlí'-den], botanist, XIV. 674.

SCHLEIERMACHER, Friedrich Daniel Ernst [shlí'-er-ia'-cher], theologian, XIV. 675. See MORAL PHILOSOPHY, XI. 807, 2 c, 813, 2 ab; PHILOSOPHY, XIII. 442, 1 b.

SCHLEIZ [shlites]: see REUSS.

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SCHLESWIG [Ger. shles'-vi'h], part of Schleswig-Holstein, XIV. 676. History, 1 ab. City, 1 c.

SCHLESWIG-HOLSTEIN [-hole'-stine], province of Prussia, XIV. 676. History, 2 bc; VI. 14, 1 ab; VII. 757, 2 a.

SCHLETTSTADT [shlet'-stát], town of Alsace, XIV. 677.

SCHLEY [shlá], county, XIV. 677.

SCHLIEMANN, Heinrich [shlé'-mán], German traveller, XIV. 677.

*Schlossberg* [shluss'-bürg], at Laybach, castle on the, X. 239, 2 b. At Eisenstadt, palace of the, VI. 484, 1 b.

SCHLOSSER, Friedrich Christoph [shlus'-ser], German historian, XIV. 678.

SCHLÖZER, August Ludwig von [shlö'-tser], historian, XIV. 678. Kurd von, author, 2 b.

SCHMALKALDEN: see SMALCALD.

*Schmet*, assumed name, VII. 582, 2 ab.

*Schmid* (Josias), assistant of Pestalozzi, XIII. 348, 1 ab, b.

SCHMID, Leopold [shmit], German theologian, XIV. 678.

*Schmidt, A. W. von*, his plan for removing Blossom rock, III. 701, 2 bc.

SCHMIDT, Heinrich Julian, German author, XIV. 679.

*Schmidt* (Johann Friedrich Julian, born 1825), astronomer, XI. 800, 2 b (MOON).

SCHNAASE, Karl [shná'-zèh], author, XIV. 679.

*Schneekoppe* [shná'-kup-pèh], mountain, XIV. 327, 1 b.

*Schneidemühl* [shní'-dèh-mül], (town of Posen, Prussia), Confession of (German Catholic), VII. 736, 2 a. New Confession of, 2 b.

SCHNEIDER, Eugène [shná'-dair], French politician, XIV. 679. (Died 1875.)

SCHNEIDER, Hortense Catherine, French actress, XIV. 679.

SCHNEIDER, Johann Gottlob [shní'-der], German philologist, XIV. 679.

*Schneiderian membrane* (named from Konrad Victor Schneider, professor at Wittenberg, died 1680), XII. 516, 1 bc, c.

SCHNETZ, Jean Victor [shnace], French painter, XIV. 679.

SCHNORR VON KAROLSFELD, Julius [shnur fön ká'-rölss-felt], German painter, XIV. 679. Ludwig Ferdinand, painter, 2 b.

SCHÖLCHER, Victor [shail-sháir], French author, XIV. 679.

SCHÖFFER, Peter [shö'-fer or shef'-fer], German printer, XIV. 680; VII. 96, 2 c; 97, 1 b; VIII. 341, 2 ab. Johann, referred to, 2 b.

SCHOFIELD, John McAllister [sko'-feeld], American soldier, XIV. 680.

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*Schoharie*, county seat, XIV. 680, 2 a.

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*Scholars*, at Oxford, XII. 764, 1 b. Scholarships, 2 b.

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"*Scholastic novices*," Jesuit, IX. 626, 1 c.

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*Scholastics, formed*, Jesuit, IX. 626, 2 a.

*Scholia Veneta*, of the Iliad, XVI. 357, 1 a.

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SCHOMBERG, Frederick Hermann, duke of [shom'-berg], English soldier, XIV. 680.

SCHOMBERO, Henri de, count [shō'-bair], French soldier, XIV. 681. Charles, 1 b. Maré-chale de, *ib.*

SCHOMBURGK, Sir Robert Hermann [shom'-burk], English traveller, XIV. 681.



- SCHÖNBEIN, Christian Friedrich [shön'-bine], German chemist, XIV. 681.
- Schönbrunn* [shön'-brook], gardens of, near Vienna, XVI. 352, 1 a. Peace of, VII. 420, 1 bc.
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- Schoolcy's mountain*, referred to, XI. 844, 1 c.
- "*School of the heart*," Jesuit, IX. 627, 1 a.
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- SCHOPENHAUER, Arthur [sho'-pen-how-er], German philosopher, XIV. 683. See MORAL PHILOSOPHY, XI. 813, 2 b; PHILOSOPHY, XIII. 442, 2 c.
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- SCHREVELIUS, Cornelius [skrā-vá'-le-us], Dutch scholar, XIV. 684.
- SCHREYER, Adolph [shri'-er], German painter, XIV. 684.
- SCHRÖCKH, Johann Matthias [shrök], historian, XIV. 684.
- SCHRÖDER, Antoinette Sophie, actress, XIV. 684. Wilhelmine Schröder-Devrient, singer, 2 b.
- SCHRÖDER, Friedrich Ludwig, actor, XIV. 684.
- SCHRÖDTER, Adolph [shró'-ter], painter, XIV. 685.
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- SCHULTE, Johann Friedrich [shool'-tēh], theologian, XIV. 685.
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- SCHULZE, Ernst Konrad Friedrich [shool'-tsēh], poet, XIV. 686.
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- SCHUMANN, Robert [shoo'-mán], German composer, XIV. 686; XII. 93, 1 bc.
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- of Krumau, field marshal, XIV. 690. See BLÜCHER. Felix Ludwig Johann Friedrich, prince, statesman, 1 c; II. 146, 2 b, 147, 1 ab, c; VI. 542, 1 c.
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SCUTARI [skoo'-ta-re], town of Asiatic Turkey, XIV. 725; V. 277, 1 b. Of European Turkey, XIV. 725, 1 ab. Lake of, 1 b.

*Scutching*, of flax, VII. 265, 1 a. Of cotton, V. 413, 2 a.

*Scutellaria* (botany), XV. 81, 2 b. *S. galericulata*, 2 c (ill.).

SCUTIBRANCHIATES, order of mollusks, XIV. 725.

*Scutigera* [sku-tij'-e-ra], (zoölogy), IV. 203, 2 ab.

*Scutum*, shield, XIV. 853, 2 ab (ill.).

SCYLLA: see SCIGLIO, and CHARYBDIS AND SCYLLA.

*Seylla'um*: see SCIGLIO.

*Seylli'idæ* (ichthyology), XIV. 826, 2 c.

*Seyllium* (ichthyology), VI. 183, 2 b; XIV. 827, 1 a.

*Seym'nidæ* (ichthyology), XIV. 829, 2 b.

*Seymnus* (ichthyology), XIV. 829, 2 b.

*Seymnus* (entomology), X. 90, 2 b.

*Seytale* [sī'-ta-le], IV. 602, 2 a (CIPHER).

SOYTHE AND SICKLE, XIV. 725.

SCYTHIA, inancient geography, XIV. 725. Scythians, 2 c, 726, 1 b; XI. 332, 2 a; XVI. 42, 1 c.

*Scythianus*, alleged founder of the Manichæans, XI. 106, 2 c.

SCYTHOP'OLIS, town of Palestine, XIV. 726.

SEA: see OCEAN.

SEA ANEMONE: see ACTINIA.

*Sea aprons*, species of algæ, I. 299, 1 c.

*Sea artemisia*, XVI. 731, 1 a.

SEA BEAR: see SEAL, XIV. 734, 1 ab (ill.).

*Sea beet*, II. 472, 1 a.

SEABURY, Sammel, American clergyman, XIV. 726. Samuel (2d), clergyman, 2 b.

SEA CAT, fish, XIV. 726. Northern, 727, 1 b (ill.). Wolf fish so called, XVI. 698, 2 c.

*Sea chicken*, fish, VI. 219, 2 ab.

*Sea conch*, shell, XV. 875, 2 bc (ill.).

SEA COW: see MANATEE, and VIII. 741, 2 a.

SEA CUCUMBER, marine animal, XIV. 727 (ills.).

Sea slug, 2 bc; biche de mar or tripang, 728, 2 bc: see XII. 783, 1 a.

*Sea date shell*: see STONE BORER, XV. 400, 2 b.

SEA DEVIL: see GOOSE FISH, VIII. 109, 2 c.

*Sea dog*: see SEAL, XIV. 731, 1 bc.

SEA DOVE: see AUK.

*Sea ducks*: see EIDER DUCK, VI. 482, 1 a.

SEA EGG: see ECHINUS, VI. 387, 1 b.

SEA ELEPHANT: see SEAL, XIV. 733, 1 c.

SEA FAN, polyp, XIV. 729 (ill.).

*Sea fins*, marine animals, VIII. 165, 2 c.

SEA FOX: see SHARK, XIV. 829, 2 a (ill.).

*Sea grapes*: see SQUID, XV. 284, 1 c.

*Sea gypsies*, referred to, II. 264, 2 bc.

*Seaham*, harbor of, X. 622, 1 ab.

*Sea hare*: see MOLLUSOA, XI. 723, 1 a.

SEA HOG: see PORPOISE, XIII. 719, 2 c.

SEA HORSE, osseous fish, XIV. 729 (ill.). See WALRUS.

SEA KALE, plant, XIV. 729 (ill., 730).

SEAL, aquatic mammal, XIV. 730. Anatomy, 1 c. Character, 731, 1 a. Seal fishery, 2 ab, 734, 2 a; VII. 536, 1 bc, 538, 1 ab. Common seal, XIV. 732, 1 a (ill.); Greenland or harp, 1 b (ill.); narrow-muzzled, 2 b; leopard, *ib.*; white-bellied or monk, 2 c; hooded or crested, 733, 1 a (ill.); bottled-nosed, or sea elephant, 1 c. Sea lion, northern, 2 c; southern, 734, 1 a (ill., 733). Sea bear, northern (fur seal), 1 ab (ill.); southern, 2 b. Bachelor seals, 1 c, 2 ab. Fossil remains, 2 bc.

SEAL, signet, XIV. 734. Form, 735, 1 ab. Material for sealing, 1 b. Devices, 1 c. Seals in place of or with signatures, 2 b, V. 289, 2 b; validity of an instrument, *ib.* Definition of a seal, XIV. 736, 1 b; V. 290, 1 a. Significance in law, XIV. 736, 1 c; implies a consideration, *ib.* Common law in relation to sealed instruments, V. 289, 2 b.

*Sea lemons*, marine animals, XI. 722, 2 c.

SEAL ENGRAVING: see GEM, VII. 663, 1 a (gem engraving).

SEA LEOPARD: see SEAL, XIV. 732, 2 b.

*Scale's Station*, county seat, XIV. 474, 2 bc.

*Sea lettuce*, marine plant, XII. 774, 1 a.

SEA FISHERY: see SEAL (Index).

*Sealing pun*: see SEWERAGE, XIV. 797, 2 bc.

*Sealing wax*, X. 76, 1 c.

SEA LION: see SEAL, XIV. 733, 2 b (ill.).

*Seal islands*: see LOBOS ISLANDS.

*Seal meadows*, floating ice fields, XIV. 731, 2 b.

SEALSFIELD, Charles, German author, XIV. 736.

SEAMAN, XIV. 736. Terms and conditions of service, 2 b, ff. Shipping articles, 2 bc. Obligations of ship owner or master, 737, 1 a. Punishment for disobedience, 1 c. Desertion as distinguished from absence, 2 ab. Sailor's right to be brought home, 2 c. Relation of freight to wages, 738, 1 b.

*Sea mats*: see POLYZOA, XIII. 691, 1 a.

*Sea mew*: see MEW.

*Sea mice*, XII. 229, 1 bc. Common sea mouse, 1 c (ill.).

*Sea monk*: see SQUID, XV. 294, 2 c.

SEA MOSSES: see POLYZOA, XIII. 691, 1 a.

*Sea mouse*: see *Sea mice* (Index).

SEA NETTLE: see ACALEPHE, and JELLY FISH.

*Sea pens*: see POLYP, XIII. 689, 2 a.

SEA PIE: see OYSTER CATCHER, XII. 774, 1 a.

SEA PORCUPINE, fish, XIV. 738. Balloon fishes, 2 c (ill., 739). Atinga, *ib.* Puffer (swell fish), 739, 1 c (ill.). Other names, *ib.*

SEA RAVEN, fish, XIV. 739. Common, 2 a (ill.). Other names, *ib.*

SEARCH, Right of, by a belligerent on the high seas, XIV. 739. Doctrine of international law, 2 c. Concession to belligerents in time of war, *ib.* English doctrines of, 740, 1 b; IX. 595, 1 b; XVI. 163, 1 a. See NEUTRALITY, XII. 261, 1 c; PRIZE, XIV. 21, 1 bc.

SEARCY [sur'-se], county, XIV. 740.

*Searcy*, county seat, XVI. 602, 2 a.

SEA ROBIN: see GURNARD, VIII. 335, 2 a.

SEARS, Barnas, American clergyman and educator, XIV. 740. President of Brown university, 2 a. Agent of the Peabody education fund, *ib.*

SEARS, Edmund Hamilton, clergyman, XIV. 740.

*Scars*, Capt. Isaac (1729-'86, merchant of New York), referred to, XIV. 350, 2 c.

SEA SERPENT, XIV. 740; 829, 1 a. Factitious skeleton of, XVI. 748, 2 bc.

SEA SICKNESS, XIV. 741. Remedies and preventives, 2 a.

*Seaxile grape*, X. 13, 1 a.

*Sea slugs*, XIV. 727, 2 b; XII. 783, 1 a.

*Sea snail*: see LUMP FISH, X. 714, 1 ab.

SEA SNIPE: see BELLOWS FISH, and PIPE FISH, XIII. 537, 1 a.

*Seasoning*, of wood, XVI. 704, 1 a.

SEASONS, XIV. 741 (ill., 742). Astronomical length of, XVI. 775, 1 c.

SEA SPIDER, marine arachnid, XIV. 742 (ill.). See SPIDER CRAB.

SEA SQUIRT, marine animal, XIV. 742.

SEA SWALLOW: see TERN. Fish so called, VII. 298, 1 ab.

*Seat*, of the hare, VIII. 456, 2 ab.

SEATON, William Winston, American journalist, XIV. 742.

*Seattle*, county seat, IX. 834, 1 c.

SEA UNICORN: see NARWHAL.

SEA URCHIN: see ECHINUS, and XV. 400, 2 c.

SEA WEEDS: see ALGÆ, I. 299, 1 c; FLAG, VII. 247, 2 c; FUCUS; and ATLANTIC OCEAN, II. 78, 2 b.

SEA WOLF: see WOLF FISH.

Seb, Egyptian divinity, VI. 464, 1 a; XII. 116, 2 b, c.

*Seba*, XIV. 834, 2 c (SHEBA).

*Sebaceous matter*, of the skin, I. 119, 1 b, 2 b.

*Sebugo pond* (about 10 by 12 m.), V. 566, 1 ab.

SEBAS'TE: see SAMARIA, XIV. 589, 2 a.

*Sebastes Norvegicus* (ichthyology), VIII. 368, 1 a.

*Sebas'tia* [classically, seb-as-ti'-a], ancient city, XV. 72, 2 bc.

SEBASTIAN, county, XIV. 742.

SEBASTIAN, Dom, king of Portugal, XIV. 742; XIII. 740, 2 a.

SEBASTIAN, Saint, Roman martyr, XIV. 743.

SÉNASTIANI, François Horace Bastien, count [sā-bās-tyā-ne], French soldier, XIV. 743.

Referred to, I. 259, 2 bc.

*Sebastianists*, fanatical sect, II. 267, 2 b.

SEBAS'TOPOL [correctly, seb-as-to'-pol], fortified city in the Crimea, XIV. 743. Siege of, V. 485, 1 b.

*Sebor'ím*, Jewish thinkers, VIII. 595, 2 a.

*Sebastieh* [sā-boos-tē'-ēh], site of Samaria, XIV. 589, 2 ab.

*Secale* (botany), XIV. 503, 2 b. *S. cereale*, *ib.* (ill., 504). *S. corallinum*, VI. 708, 1 c (ill.).

*Secalia*, VI. 708, 2 ab (ERGOT).

*Secant*, in trigonometry, XV. 866, 1 a.

SECCHI, Pietro Angelo [sek'-ke], Italian astronomer, XIV. 744. (Died 1878.)

*Seceders*, from the Scottish state church, VI. 139, 2 b.

- Secession*, of the southern states: see CONFEDERATE STATES OF AMERICA (Index); UNITED STATES, XVI. 174, 1 b, ff.; DAVIS, Jefferson, 713, 1 a, ff.; LINCOLN, Abraham, X. 492, 1 c. Ordinance of secession passed without the assent of the people in Alabama, I. 233, 1 b; in Tennessee, IX. 659, 1 a; in Mississippi, XI. 657, 1 c; in North Carolina, XII. 496, 2 a; first passed by South Carolina, XV. 199, 1 ab.
- Secession church*, Scottish, VI. 139, 2 bc. See XIII. 811, 1 bc.
- Sechuana dialect* [sech-wá'-na], (language of the Bechuana), I. 171, 1 c.
- SECKENDORF, Veit Ludwig von, German scholar, XIV. 744. Friedrich Heinrich, count, soldier, 2 a; IV. 299, 1 b.
- SECKER, Thomas, English prelate, XIV. 744.
- SECOND, a division of time or space, XIV. 744.
- SECOND ADVENTISTS, religious sect, XIV. 745. Seventh Day Adventists, 2 a.
- Secondaries*, in plumage, VII. 105, 2 c.
- Seconde* [Fr. sūh-gō'sd], in fencing, VII. 120, 2 b.
- Seconds*, in weight: see SCRUPLE.
- SECRETARY BIRD, XIV. 745 (ill., 746).
- SECRETION: see GLAND.
- Secret societies*, opposition to, I. 104, 1 c.
- Sero'le*, English settlement in Benares, II. 515, 2 a.
- SECTOR, in geometry, XIV. 746. Instrument, 1 b.
- SECTULAR GAMES, Roman, XIV. 746.
- SECTULARISM, a system of civilization: see HOLYOAKE, VIII. 774, 2 c.
- SECUNDUS, Johannes: see JOHANNES SECUNDUS.
- SÉDAINE, Michel Jean [sā-dain], French dramatist, XIV. 746.
- SEDALIA, town of Missouri, XIV. 747.
- SEDAN' [Fr. sā-dā's], fortified town of France, XIV. 747. Sedan chairs (for passengers, carried by hand), 1 b. Battle of, VII. 397, 1 a; X. 800, 1 b; XVI. 654, 1 b.
- Sedan black*, color, VI. 342, 2 ab.
- Sedanum*: see SEDAN.
- Sedative salt* (boric acid), III. 96, 1 a.
- SEDE, plant, XIV. 747 (ill.). Sand sedge (German sarsaparilla), 748, 1 a.
- SEDGWICK, county, XIV. 748.
- SEDGWICK, Adam, English geologist, XIV. 748.
- SEDGWICK, John, American soldier, XIV. 748.
- SEDGWICK, Theodore, American statesman, XIV. 749. Theodore, lawyer, 1 b. Susan Ridley, authoress, 1 c. Catharine Maria, authoress, *ib.* Theodore, lawyer, 2 a.
- Sedilia*, in a church, IV. 253, 2 b.
- Sedition law*: see *Alien and sedition laws* (Index). A victim of, V. 310, 1 c (COOPER).
- SEDLEY, Sir Charles, English poet, XIV. 749.
- SEDUCTION, XIV. 749. In common law, and in the French and Prussian, 2 c, ff. In England and the United States, 750, 1 b. Parent's right to service, 2 ab. Legal complainant, 2 bc. Proof of the crime, 2 c. Recent statutes, 751, 1 a.
- SEDUM, genus of plants, XIV. 751. *S. telephium*, 1 c (ill.); *acre*, 2 b (ill.); *ternatum*, *pulchellum*, and *rhodiola*, 2 c; *carneum variegatum*, and *spectabile* or *Fabaria*, 752, 1 a; *Sieboldii*, 1 b (ill.). Parts of *sedum*, XIII. 585, 1 ab (ills.).
- SEEBACH, Marie [zā'-bā'h], German actress, XIV. 752.
- Seed*, of a plant, XIII. 574, 2 a. Seed leaves, 575, 1 ab, X. 267, 1 b; of tobacco, XV. 782, 2 b. Nurture and distribution of seeds, XIII. 591, 2 b.
- Seedling fruit*, XIII. 207, 1 a; potatoes, 766, 1 bc; strawberries, XV. 415, 2 a.
- Seekonk river*, XIV. 291, 2 c; 42, 2 bc.
- SEELAND, island of Denmark, XIV. 752.
- SEELY, John Robert, English author, XIV. 752.
- SEEMANN, Berthold [zā'-mān], German naturalist, XIV. 752.
- Seemüller, Anne Moncure*: see CRANE, Anne Moncure.
- Seeress of Prevorst*: see *Prevorst* (Index).
- Sefuradic* (pronunciation of Hebrew), VIII. 599, 1 bc.
- Segesta*, ruins of, I. 260, 1 a.
- Seggar*, case for baking fine stone ware, XIII. 789, 2 c (ill., 790).
- Segment of an arc*, I. 640, 1 c.
- SEGNERI, Paolo [sā-nyā'-re], Italian orator, XIV. 752.
- Segni, Rinaldo di* (Pope Alexander IV.), I. 279, 2 ab.
- Segona*, river: see SAÔNE.
- Segontium*, Roman station, site of, IV. 7, 1 a.
- SEGOVIA, province of Spain, XIV. 752. Capital, 753, 1 a. Alcázar, 1 ab (ill.).
- Segreti, i* [e sā-grā'-te], literary society, XIII. 721, 2 ab.
- SEGUIN, Édouard [sūh-gā's], French physician, XIV. 753. On idiocy, IX. 169, 1 bc, ff.
- Seguin* [sē'-gwin], county seat, VIII. 276, 1 b.
- SÉGUR, Philippe Henri, marquis de [sā-gūr], French soldier, XIV. 753. Louis Philippe, count, historian, 2 c. Philippe Paul de, count, historian, 754, 1 a.

*Sehirim* [sā-he-reem']: see FAIRIES, VII. 63, 1 o.  
*Seiches* [saish]: see GENEVA, lake, VII. 671, 1 a.  
*Seidlitz*, general: see SEYDLITZ.  
*SEIDLITZ POWDERS*: see ROCHELLE SALT.  
*SEIDLITZ WATER* [side'- or sed'-lits], XIV. 754.  
 Artificial, 1 bc.  
*Seigniorage* [sé'-nyur-age], charge for coinage, XI. 617, 1 c.  
*Seine* [sain], for mackerel fishing, X. 792, 2 a.  
*SEINE*, river of France, XIV. 754.  
*SEINE*, department of France, XIV. 754.  
*SEINE-ET-MARNE* [-ā-marn], XIV. 754.  
*SEINE-ET-OISE* [-ā-wāz], XIV. 754.  
*SEINE-INFÉRIEURE* [-ā'-fā-re-ūr], XIV. 754.  
*SEISIN* [sé'-zin]: see LIVERY of SEISIN.  
*Seismology* [sicc-mol'-o-je], VI. 359, 2 bc.  
 Seismographs, 363, 1 c. Seismic focus, 367, 1 c. Seismometer, Cacciatore's, 363, 2 c; Lamont's, *ib.*; Palmieri's, *ib.*; Mallet's, 364, 1 a; Kreil's, 1 b.  
*SEISTAN* [sais-tān], province of Afghanistan, XIV. 755.  
*Sciurus aurocapillus* [se-yu'-rus], (ornithology), XII. 745, 2 a. *S. noveboracensis*, XV. 729, 1 b.  
*SEJA'NUS*, Lucius Ælius, Roman conspirator, XIV. 755.  
*SÉJOUR*, Victor [sā-zhoor], French dramatist, XIV. 755.  
*Sela* (Petra), VI. 409, 2 b.  
*SELACHIANS* [se-lā'-ke-anz], cartilaginous fishes, XIV. 755; 826, 1 c; IV. 41, 2 bc.  
*Selachus* (ichthyology), XIV. 828, 2 c. *S. maximus*, 829, 1 a (ill.); elephas, 1 bc.  
*Selaginella* (botany), X. 745, 1 ab. *S. Kraussiana* and *lepidophylla*, 1 b.  
*Selandria* (zoölogy), XV. 109, 1 b. *S. vitis*, XIV. 654, 1 c (ill.).  
*Selassyé*, Walda, Abyssinian chief, I. 46, 2 b.  
*Selbig*, *Elisa*, nom de plume, I. 211, 1 b.  
*SELBORNE*, Lord [sel'-burn]: see PALMER, Roundell.  
 "Selborne, *Natural History of*," XVI. 603, 1 b.  
*SELDEN*, John, English author, XIV. 755.  
*Selectmen*: see TOWN, XV. 827, 2 b.  
*Selenbia*: see *Peneus* (Index).  
*SELE'NE*: see LUNA, and DIANA, VI. 77, 2 a.  
*SEL'ENITE*: see GYPSUM, VIII. 358, 1 c.  
*SELENIUM*, elementary substance, XIV. 756.  
 Selenides, 1 b. Selenious acid, selenic acid, selenites, seleniates, 1 c.  
*Seleniuretted hydrogen*, XIV. 756, 1 c.  
*SELEUCIA* [classically, sêh-lu-sî'-a], several ancient cities, XIV. 756. *S.* on the Tigris, 1 c.

Destruction of, V. 234, 2 a. *S. Pieria*, strong fortress of northern Syria, XIV. 756, 2 ab.  
*Seleucida*, dynasty of the, XIV. 757, 1 b. Era of the, *ib.*  
*Seleuci'des alba* (ornithology), II. 651, 2 c (ill.).  
*SELEUCUS I.*, Nicator, founder of the Syrian monarchy, XIV. 756.  
*Seleucus Cybiosactes*, Syrian pretender, II. 552, 2 b.  
 SELF-DEFENCE, law of, XIV. 757.  
*Self-denying ordinance*, in parliament, V. 502, 2 b (CROMWELL); VI. 736, 2 ab (ESSEX).  
*Self-fecundation*, of insects, XIII. 132, 2 c.  
*Selfs*, seedling tulips (plain-colored), XVI. 26, 2 b.  
*Selim* (Jehanghir), IX. 208, 2 bc.  
*Selim I.*, sultan of Turkey, XVI. 61, 1 c. *Selim II.* (1566-'74), XV. 160, 1 a; mosque of, I. 132, 1 b. *Selim III.*, XVI. 61, 2 bc (killed 1808).  
*Selinunte* [sā-le-noon'-tā], site of Selinus, XIV. 757, 2 a.  
*Selinuntine marbles* [sel-e-nun'-tin], XIV. 757, 2 ab.  
*SELINUS*, ancient Greek colony of Sicily, XIV. 757. Ruins, 2 a.  
*Selish*, Indian tribe, VII. 261, 1 bc.  
*Seljooks*: see SELJUKS.  
*Seljuk* [sel-jook'], Tartar chief: see SELJUKS.  
 SELJUKS, Asiatic tribe, XIV. 757. Seljuk dynasty in Persia, XIII. 323, 1 c. First employed as the caliphs' body guard, I. 341, 2 a.  
*Selkirk*, town of Scotland, XIV. 758, 1 b.  
*SELKIRK*, Alexander, Scottish seaman, XIV. 757. See DEFOE, and JUAN FERNANDEZ.  
*Selkirk settlement*, in Manitoba, XI. 114, 1 c.  
*SELKIRKSHIRE*, county of Scotland, XIV. 758.  
 "Seller's option," in stock dealing, XV. 388, 2 a.  
*Sellique* [sā-leeg], his process of making water gas, VII. 640, 1 c. Distillation of coal oils by him, IX. 812, 1 a-2 a.  
*Selli'na*, XIV. 693, 1 a (SCILLY ISLANDS).  
*SELMA*, city of Alabama, XIV. 758.  
*Selters water*: see SELTZER WATER (Index).  
*SELTZER WATER*: see MINERAL SPRINGS, XI. 594, 1 b.  
*SELWYN*, George Augustus, English clergyman, XIV. 758. (Died 1878.)  
*Semangs*, a Malay race, XI. 60, 2 a.  
*Semaphore*, kind of telegraph, XV. 609, 1 c.  
*SEMELE* [sem'-e-le], in mythology, XIV. 758; II. 193, 1 c.  
*SEMEENDIA*, town of Servia, XIV. 758.  
*Scmen santonica*, sanctum, or contra, drug, XVI. 730, 2 c.

*Semi-Arians* (homoiousians), I. 700, 2 a.

*Semiglyph*, in the Doric order, I. 657, 1 a.

*Semi-mutes*, V. 727, 2 c. Instruction of, 739, 2 c.

*Semina cataputiae minoris*, VI. 777, 2 bc.

SEMINOLES, Indian nation, XIV. 758. Seminole wars, *ib.*; VII. 284, 2 bc; IX. 491, 1 c; 493, 1 c; XII. 716, 2 c.

*Semi-ovip'arans*: see MEGASTHENES, XI. 359, 2 b.

*Semiozernoi convent*, in Kazan, IX. 776, 2 c (ill.).

SEMPOLATINSK', province of Asiatic Russia, XIV. 759. Capital, 760, 1 a.

SEMITAMIS, queen of Assyria, XIV. 760; I. 723, 2 ab; II. 33, 2 c, 34, 2 ab; 479, 2 c; XVI. 252, 1 a.

*Semiramis of Lucca*, sister of Napoleon, III. 25, 2 bc.

*Semiramis of the North*, sovereigns so called, XI. 157, 2 ab; IV. 113, 1 b.

*Semi-Salic law of succession*, in England, VI. 626, 1 a.

SEMITIC RACE AND LANGUAGES, XIV. 760. Alphabets, 761, 2 c (table of, 762); XIII. 455, 2 c (table, Phœnician, 456); XV. 547, 2 ab (table, Syriac); XVI. 739, 1 a. Semitic idioms of Abyssinia, I. 171, 1 ab. See ARABIO LANGUAGE AND LITERATURE, and ETHIOPIA, Languages and Literature of.

*Semitones*, in music, I. 70, 1 c.

*Semi-uncial writing*, XI. 134, 1 a.

SEMLER, Johann Salomo [zem'-ler], German theologian, XIV. 762.

SEMLIN [zem'-leen'], town of Slavonia, XIV. 762.

SEMMERING, Alpine mountain chain, XIV. 762. Railway, 763, 1 a.

SEMMES, Raphael [semz], American naval officer, XIV. 763. (Died 1877.)

*Semneh*, Egyptian fortress, VI. 749, 1 c.

*Semnopithæcus* (zoölogy), XI. 752, 2 b; 753, 2 a. S. entellus, 2 bc (ill.).

SEMPACH [zem'-pâ'b], town of Switzerland, XIV. 763. Battle of, *ib.*: see WINKELRIED.

SEMPER, Gottfried, German architect, XIV. 763. Plans, professor, 2 b. Karl, traveller, *ib.*

*Sempervivum* (botany), IX. 12, 2 c. S. tectorum, 13, 1 a, 2 c (ill.); calcareum, 2 a; arachnoideum, *ib.* (ill.); arboreum, 2 ab (ill.); glutinosum, 2 c.

SEMPLE, Robert Baylor, American clergyman, XIV. 763.

*Sena*, island of Gaul, VI. 271, 1 b (DRUIDS).

SENAE, Jean Baptiste [sä-näk], French physician, XIV. 763. Gabriel Senae de Meilhan, author, 764, 1 a.

*Sena Gallica*: see SINIGAGLIA.

SENATE, deliberative assembly, XIV. 764.

*Senatobia*, county seat, XV. 582, 2 ab.

*Sena'tus academ'icus*, XVI. 211, 2 c; 213, 1 c.

*Senatus consulta*, decrees of the Roman senate, XIV. 764, 2 b; IV. 619, 2 a.

*Senatus Consultum de Bacchanalibus*, X. 193, 1 b.

SENECA, two counties, XIV. 765.

*Seneca*, county seat, XII. 223, 2 a.

SENECA, Marcus Annaeus, Roman rhetorician, XIV. 765. Lucius Annaeus, philosopher, 2 b; X. 196, 2 b.

SENECA FALLS, village of New York, XIV. 766.

SENECA LAKE, New York, XIV. 766.

SENECA OIL: see PETROLEUM, XIII. 367, 2 a.

*Seneca snakeroot*, XV. 130, 1 a (ill.).

SENECAS, Indian nation, XIV. 766; IX. 412, 1 bc.

*Senecio scandens* (botany), VII. 742, 2 c (ill., 743). S. vulgaris, VIII. 270, 1 b; aureus and elegans, 1 bc.

SENEFELDER, Aloys [zä'-nêh-fel-der], inventor of lithography, XIV. 767; X. 526, 1 ab, bc.

SENEGAL, river of Africa, XIV. 767.

SENEGAL, French territory, XIV. 767.

SENEGAMBIA, region in Africa, XIV. 767.

*Senegine* [sen'-e-jin], chemical principle, XV. 130, 1 c.

*Se'nes*, the nine, VI. 271, 1 b (DRUIDS).

*Seneschallus*, of Oxford, XII. 762, 2 c.

*Senex fulcifer*: see SCYTHE, XIV. 725, 1 c.

SENIOR, Nassau William, English political economist, XIV. 768; XIII. 672, 2 ab.

SENLIS [sä'-leece], town of France, XIV. 768.

SENNA, plant and drug, XIV. 768 (ills.). American, 769, 2 a. Confection of, XV. 561, 2 c.

SENNAAR [sen'-nar], country of Africa, XIV. 769.

SENNACHERIB [sen'-nak'-e-rib]: see ASSYRIA, II. 35, 2 b.

*Senones* [sen'-o-nee], ancient Gauls, VII. 648, 2 a; XIV. 770, 1 c.

SENS [sä''], town of France, XIV. 770.

*Sensation, residual*, in harmony, VIII. 469, 1 c.

*Sensibility, physiological*, XIII. 485, 2 a; XII. 233, 2 c.

*Sensitive flames*, XV. 175, 1 b. See FLAME, VII. 255, 2 b.

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*Sensorium*: see COMA, V. 131, 1 ab.

*Senti'num*, battle of, XVI. 110, 1 b; VII. 647, 2 b.

*Sepals*, of a plant, XIII. 585, 1 ab.

"*Separated Lutheran*" churches, X. 535, 2 c.

*Separater*, of a loom, XVI. 523, 1 c.

*Separatists*, those Puritans who withdrew from the church of England, referred to, V. 245, 2 a.



*Sepedonium chrysospermum* (botany), VII. 531, 2 b.

*Sephardim*, a division of the Jews, IX. 619, 1 ab.

*Sepher Yetzirah*, cabalistic treatise, III. 521, 1 b. *Sepher haz-Zohar*, treatise, *ib.*

SEPIA, pigment, XIV. 770.

*Sepiu officinalis* (zoölogy), V. 596, 2 a (ill.).

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333, 2 c; III. 22, 1 a; VI. 618, 2 c; VIII.

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1 b; XI. 357, 2 a; XII. 129, 2 a, 741, 1 a.

SEPS, genus of reptiles, XIV. 771. Four-toed seps, 1 ab. *S. tridactylus*, 1 b (ill.).

SEPTEMBER, month, XIV. 771. "Great September gale" in 1821, XIV. 235, 1 b.

*September massacres*, in France, VII. 388, 1 a.

*Septem Fratres*, mountain range, IV. 218, 2 ab.

*Septennate*, *the*, term of office, X. 800, 2 b.

*Septennial act*, of parliament, VII. 703, 2 ab.

*Septicæmia*, *puerperal*, XIV. 69, 1 b, c.

*Septimania*, *Luchy of*: see *LANGUEDOC*, X. 152, 1 a. Province of, VII. 379, 2 ab.

SEPTIMIUS SEVERUS: see *SEVERUS*.

*Septinsular republic*, IX. 330, 2 a.

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*Septum*, nasal partition, XII. 516, 1 a. *Septa*, in marine shells, VIII. 98, 1 c.

*Sepulchre*, in the altar of a Roman Catholic church, I. 359, 2 b. In Greek and Roman Catholic churches, VIII. 101, 1 be.

SEPULVEDA, Juan Ginez de [sā-pool'-vā-thā], Spanish historian, XIV. 771. His attack upon Las Casas, X. 179, 2 b.

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*Sequestrum*, separated bone, XII. 205, 2 c; 724, 1 b.

SE'QUIN, coin, XIV. 771.

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*Sequoyah*: see *GUESS*, George.

SERAGLIO [se-ral'-yo]: see *CONSTANTINOPLE*, V. 275, 1 c.

*Serai Humayun* [sā-rī' hoo-mā-yoon']: see *SERAGLIO* (Index).

SERAING [sūh-rā'ŋ], village of Belgium, XIV. 773; X. 417, 1 a. See *COCKERILL*.

SERAMPORE', town of India, XIV. 773.

*Serape* [sā-rā-pā'], kind of shawl, VIII. 275, 2 be; 292, 1 a.

*Serape'um* (temple of Serapis), at Alexandria, XIV. 773, 2 b; at Puteoli, 2 be; at Memphis, 2 c, XI. 165, 2 b, be.

*Seraphic doctor* (Bonaventura), III. 56, 1 a.

*Seraphine* [sēr'-a-feen], musical instrument, XIV. 242, 2 b.

*Serapion*, abbot (St., surnamed Scholasticus, author of an extant treatise against the Manichæans), referred to, XI. 728, 2 c.

SERA'TIS, Egyptian deity, XIV. 773; XII. 720, 1 ab. Statue of, VI. 568, 1 ab. Shrine and oracle of: see *CANOPUS*.

*Serapis*, ship of war, IX. 679, 1 ab.

*Seraskier*, Turkish title, I. 723, 1 b.

SERAYEVO [sā-ra-yā'-vo]: see *BOSNA-SERAI*.

SERBATI: see *ROSMINI SERBATI*.

*Serbs*: see *SERVIA*, XIV. 780, 2 c.

*Serb waywodeship of Banat of Temes*, II. 264, 2 a.

*Serena* [sā-rā'-na], serenade, XIV. 40, 2 a; XII. 88, 2 b.

*Serendib*, a name of Ceylon, IV. 221, 2 c.

*Sereth* [sēr-et'], river (about 300 m. long), III. 420, 1 b; XI. 703, 2 c, 704, 1 a.

SERF, feudal slave, XIV. 773. Mediæval serfdom, 774, 1 a. In France, 2 c; in Italy and Germany, 775, 2 b; in England, *ib.*; in Poland, 776, 1 a; in Hungary (abolition of), *ib.*; in Russia, 1 ab. Abolition of serfdom in Prussia, VIII. 452, 2 b. Relaxation of it in Russia, I. 281, 1 b; partial abolition, 283, 1 ab; complete. 284, 2 b, XIV. 494, 2 c, 776, 1 b. See *ALLODIUM*, and *FEDRAL SYSTEM*, VII. 162, 1 a, ab.

*Sergeant* [ser'-jent or sar'-jent], origin of the title, XIV. 535, 2 b.

*Sergeant*, lawyer, X. 237, 1 b.

SERGEANT, John [sar'-jent], American jurist, XIV. 776.

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*Sergius* (Tychiæus), Paulician leader, XIII. 177, 2 c.

*Sergius*, patriarch of Constantinople (608-639), XI. 758, 1 b, be.

*Sericulus* (ornithology), XII. 694, 2 a.

*Serigny, sicur de* [sūh-rē-nyē]: see *LE MOYNE*, X. 338, 1 b.

SERINAGUR', capital of Cashmere, XIV. 776.

SERINGAPATAM', city of Mysore, XIV. 776.

*Sringat* (caoutchouc), III. 735, 2 b.

*Sermaneto, Enrieo* [sāir-mā-nā'-to]: see *CAJETAN*, III. 560, 1 b.

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*Seroline* [sér'-o-lin], in blood, IV. 514, 2 c.  
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*Seroux d'Agincourt* [süh-roo dá-zhã<sup>re</sup>-kooor]: see AGINCOURT, I. 187, 2 a.  
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*Serpent*, rocket, XIV. 117, 2 a; 367, 2 c.  
*Serpentarius* (ornithology), XIV. 745, 2 bc.  
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*Serpent eater*, bird, XIV. 745, 2 c.  
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*Serpentine*, the, London, X. 596, 2 c; XIII. 102, 2 c (see map).  
*Serpentine barrens*, in Pennsylvania, XIII. 256, 2 a.  
*Serpent isle*, Black sea, II. 683, 1 a.  
*Serpent star*, star fish (ill.), XII. 644, 1 a.  
 SERRANO, Francisco [sãir-rã'-no], duke de la Torre, Spanish statesman, XIV. 778.  
*Serrano*, Peter, most probable prototype of Robinson Crusoe, V. 763, 2 c.  
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*Serrated suture*, of the cranium, I. 783, 2 b.  
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*Sertürner* [zãir'-tür-ner], (Friedrich Wilhelm, died 1841), discoverer of morphia, I. 322, 2 a; XII. 648, 1 c.  
*Serum*: see BLOOD, II. 732, 1 b, c.  
 SERVAL, animal, XIV. 779 (ill.).  
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*Servetists*, XIV. 780, 2 a (SERVETUS).  
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*Servilius*, Roman general, IX. 425, 1 b.  
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*Servitia*, form of church taxation, I. 531, 1 a.  
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*Servus pænæ*, XV. 91, 2 c (SLAVERY).

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*Session*, in the Presbyterian church, XIII. 809, 1 b.  
*Session*, court of, in Scotland, XIV. 702, 2 b.  
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*Setanario*, a Spanish code, I. 296, 1 a.  
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*Sethites*, class of Gnostics, VIII. 54, 2 b.  
*Sethos*, Egyptian king, VI. 461, 2 c.  
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*Setoph'aga* (ornithology), XIV. 239, 2 c; VII. 296, 1 c. *S. ruticilla*, XIV. 240, 1 a (ill.).  
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*Settle*, *Elkanah*, English rhymester, VI. 277, 1 c.  
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*Settler*, in silver refining, XV. 51, 2 a.  
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*Serajee'*, Mahratta chief, XI. 26, 2 bc; II. 125, 2 a.  
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*Seven Barrows*, referred to, II. 562, 1 c.  
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*Seven sleepers*, legend of the, VI. 679, 1 b. Grotto of, ib.  
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*Seven wise men of Greece*: see BIAS, CHILLO, CLEOBULUS, PERIANDER, PITTACUS, SOLON. THALES.

- SEVEN YEARS' WAR**, XIV. 787; VII. 456, 2 c, 706, 2 ab; X. 660, 2 c.
- Severians*: see **MONOPHYTES**, XI. 757, 2 b.
- SEVERN**, river of England, XIV. 788.
- SEVERUS**, Alexander: see **ALEXANDER SEVERUS**.
- SEVERUS**, Lucius Septimius, emperor, XIV. 788. Arch of, 412, 2 b; 720, 2 bc.
- SEVIER** [se-'veer'], three counties, XIV. 789.
- Serier* (Gen. John, 1745-1815), governor of Tennessee (1788-1801, 1803-'9), his quarrel with Gen. Jackson, IX. 487, 1 a, b.
- Sevierville*, county seat, XIV. 789, 2 ab.
- SÉVIGNÉ**, Marie de Rabutin-Chantal, marquise de [sā-vē-nyē], French writer, XIV. 789.
- Sevilla* [sā-vē'-lyā]: see **SEVILLE**.
- SEVILLE** [sev'-il], province of Spain, XIV. 790. Capital city, 1 b. The Giralda, 2 a (ill.). Alcázar, 2 b (ill., 791). University of, 2 bc. History, 2 c. Treaty of, VII. 705, 1 a.
- Sère-Nantaise*, *Sèvre-Niortaise* [saivr'-ná'-taiz, -nyor-taiz], rivers, XIV. 791, 2 b.
- SÈVRES** [sev'-erz; Fr. saivr'], town of France, XIV. 791. Porcelain factory, 1 c; XIII. 785, 2 a.
- SÈVRES**, Deux [düh saivr'], department of France, XIV. 791.
- SEWARD**, two counties, XIV. 791.
- Seward*, county seat, XIV. 791, 2 c.
- SEWARD**, Anna, English authoress, XIV. 792.
- SEWARD**, William Henry, American statesman, XIV. 792.
- SEWELL**, William, English clergyman, XIV. 794. Elizabeth Missing, authoress, 1 b.
- SEWEL'LEL**, rodent animal, XIV. 794 (ill.).
- SEWERAGE**, XIV. 794. In ancient times, 2 c. In Paris, 795, 1 b. In England, 2 b; of London, *ib.*, and X. 617, 2 b. In America, XIV. 796, 2 a. Construction of sewers, 2 b; ventilation, 797, 1 c. Disposal of sewage, 2 c.
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- SEWING MACHINE**, XIV. 799. Early inventions, 1 ab; Saint's machine, 1 c (ill.); Thimnier's, 2 c; Hunt's, 800, 1 a. Through-and-through machine, 1 b. Fisher and Gibbons's embroidery machine, 1 c. Lock-stitch machines, 2 ab (ills., 801, 802); Howe's, &c., 2 b, ff. Single-thread chain or crochet stitch machine, 802, 1 c (ills.). Double-loop or chain stitch, 803, 1 bc (ill.).
- SEXTANT**, for measuring angular distances, XIV. 803; 122, 1 a.
- SEXTUS EMPIRICUS**, Greek philosopher, XIV. 804.
- SEYONELLES** [sā-shèl]: see **MAURITIUS**, XI. 293, 1 ab.
- SEYDLITZ**, Friedrich Wilhelm von [zide'-lits], Prussian soldier, XIV. 804.
- SEYFFARTH**, Gustav [zi'-fart], German archæologist, XIV. 804.
- Seyid* [sā-yeed'], Arabic title, XVI. 805, 2 bc; XII. 625, 2 a.
- SEYMOUR**, Edward [sé'-mur], duke of Somerset, English statesman, XIV. 804; VI. 438, 1 ab, 2 c, ff. Lady Jane, XIV. 805, 1 b. Sir Thomas, Baron Scymour, VI. 438, 1 ab. Legal murder of, 2 b, XIV. 805, 1 a; Cranmer's share in it, V. 460, 1 c.
- SEYMOUR**, Horatio, American statesman, XIV. 805.
- Seyssel asphaltic rock* [sā-sèl], XIII. 193, 1 c.
- Sfondrati*, Nicolò [sfone-drá'-te], (Pope Gregory XIV.), VIII. 245, 1 b.
- SFORZA** [sfor'-tsa], Italian family, XIV. 806. Giacomuzzo Attendolo, founder of the house, 1 ab. Francesco, duke of Milan, 1 b; defeat of the Venetians at Caravaggio, III. 766, 2 b. Galeazzo Maria, XIV. 806, 2 ab. Ludovicó (Il Moro), 2 b; XI. 295, 2 c, 298, 1 c. Massimiliano, XIV. 806, 2 c. Francesco II., 807, 1 a.
- 's**GRAVESANDE**: see **GRAVESANDE**.
- Shabaka*: see *Sabaco* (Index).
- Shabthai Tzebi* [sháb-tí' tsá'-be], impostor, VIII. 597, 2 a.
- Shack*, oak mast, XII. 551, 2 b.
- Shackle*, of an anchor, I. 465, 1 a.
- SHACKLEFORD**, county, XIV. 807.
- SHAD**, fish, XIV. 807. American, 1 ab (ill.). European, 2 bc. Artificial breeding of, VII. 219, 2 c; 222, 1 a, bc, 2 ab.
- SHAD BUSH**: see **JUNE BERRY**, IX. 713, 2 b.
- Shad flower*, IX. 713, 2 b.
- Shad fly*, referred to, XIV. 807, 1 c.
- SHADDOCK**, tree and fruit, XIV. 808 (ill.).
- Shades of Death*, forest so called, XIII. 258, 1 a.
- SHADWELL**, Thomas, English dramatist, XIV. 808; VI. 277, 1 c.
- Shafaites* [shá'-fe-ites]: see **SUNNA**, XI. 697, 1 bc.
- Shaft*, of the Doric order, I. 556, 1 b; Ionic, 657, 1 c; Corinthian, 2 c.
- Shaft*, of a feather, VII. 103, 2 c.
- Shaft*, of a wheel, XVI. 591, 1 b.
- Shaft*, in mining, V. 69, 2 a, ff.; XI. 571, 2 a, c, 572, 1 a.
- SHAFTESBURY**, Anthony Ashley Cooper, first earl of [shafts'-bēr-e], English statesman, XIV. 808. His friendship with Locke, X. 566, 2 a. Anthony Ashley Cooper, third earl, philanthropist and free thinker, XIV.

- 809, 1 ab; XI. 807, 1 c, 812, 1 b. Anthony Ashley Cooper, seventh earl, XIV. 809, 1 bc.
- SHAG**: see CORMORANT, V. 359, 2 ab.
- Shag*, coarse tobacco, XV. 783, 1 b.
- SHAGREEN'**, a preparation of leather, XIV. 809.
- Shagreen*, shark scales, V. 183, 2 b.
- Shah* [shâ], sovereign title, XIII. 321, 1 bc.
- Shahab ud-Din* [shâ'-hâb ood-deen'], monarch, IX. 207, 2 ab.
- Shah-in-shah*, sovereign title, II. 217, 1 c.
- Shah Nameh* [nâ'-mêh], Persian epic, VII. 209, 2 b, c; XIII. 326, 2 a.
- SHAKERS**, religious sect, XIV. 809. History, 1 ab. Communities, 810, 1 a. Worship, church government, &c., 2 a. Doctrines, 2 c. Connection with spiritualism, 812, 1 b; XV. 276, 1 b.
- SHAKESPEARE**, William, English dramatist, XIV. 812. His family, 2 a. Early life, 2 bc; life in London, 813, 2 c, ff.; personal attacks upon, 814, 2 b. His works, 2 ab; 815, 1 ab, ff. Popularity in his lifetime, 816, 2 a. Close of his life, 2 bc. Portraits, 817, 2 ab, c. Personal characteristics, 2 bc. Character of his genius, 818, 1 a. His will, 1 c. Descendants, *ib.*—Early editions of his plays, 2 ab; text, 819, 1 ab; modern editions, 1 c. His critics, 2 ab; 821, 1 c. Shakespeariana, 819, 1 bc; 822, 1 bc. Shakespearian literature, 820, 1 bc. Collier's emendations, 821, 2 a. Ireland's forgeries, 822, 1 a. Translations, 823, 1 b. Spelling of his name, 1 c. —Sources of his plays: see BANDELLO, and BOCCACCIO, II. 769, 1 a. His birthplace: see STRATFORD-UPON-AVON, XV. 411, 2 c (ills.). Shakespeare "jubilee," 412, 1 ab.
- Shaking palsy*, III. 203, 1 a.
- Shaking props*, game, V. 444, 2 c.
- Shak'opee*, county seat, XIV. 707, 1 ab.
- SHALE**, rock, XIV. 823.
- Shalmaneser II.*, king of Assyria, II. 34, 1 c. Shalmaneser IV., 35, 1 b.
- Shama-i-Iran* [shâ-mâ'-e-e-rân'], region in Persia, VI. 494, 2 b.
- Shaman*, inspired man, VII. 672, 1 ab.
- SHAM'ANISM**, a form of spirit worship, XIV. 823; X. 115, 1 a.
- Shamas*, Babylonian deity, XII. 117, 1 c.
- Sham-damn skelp*, in gun making, VII. 356, 2 c.
- Shamirun* [shâ-mc-roon']: see *Shama-i-Iran* (Index).
- Shammai*, *school of* [sham'-ma-i], XIII. 381, 2 bc (PHARISEES).
- Shammy* (*chamois*) leather, IV. 244, 2 c.
- Shamo* [shâ'-mo], plain, VIII. 60, 2 a (Gobi).
- SHAMO'KIN**, borough of Pennsylvania, XIV. 823.
- Shampooing*, in the bath, II. 384, 2 b.
- SHAMROCK**: see OXALIS, XII. 759, 1 a.
- SHAM'YL**, Caucasian chief, XIV. 824.
- Shanars*, devil worshippers, XI. 646, 2 bc.
- Shane's castle*, referred to, I. 577, 1 b.
- SHANGHAI**, or Shanghae [shang-hî'], city of China, XIV. 824 (ill.).
- Shanghai fowls*, IV. 780, 2 ab; 782, 2 c.
- Shank*, of an anchor, I. 464, 2 c; 467, 1 a.
- Shank or crook*, in horns (musical instruments), VIII. 818, 1 bc.
- Shannukha*, Hindoo deity, IX. 230, 1 bc.
- Shannar tribe*, in India, XV. 849, 1 a.
- SHANNON**, county, XIV. 825.
- SHANNON**, river of Ireland, XIV. 825.
- Shannon, Wilson* (1802-'77, governor of Ohio 1838-'40, 1842-'4, M. C. 1853-'5), governor of Kansas, IX. 754, 1 ab, 2 c.
- SHANNY**, fish, XIV. 825 (ill.); II. 710, 2 a, ab.
- Shans*, race of Burmah, III. 465, 1 bc.
- Sharapan pass*, Caucasus, IV. 133, 1 c.
- Shares*: see STOCK EXCHANGE, XV. 387, 2 c.
- SHARJA**, town of Arabia, XIV. 826.
- SHARK**, XIV. 826. Dog fishes, 2 c. White shark, 827, 2 a (ill.); blue, 2 c; dusky, small blue, and Atwood's, 828, 1 ab. Piked dog fishes, 1 b. Topes or hounds, 1 bc. Porbeagle shark, 2 a; mackerel, 2 ab (ill.); gray, 2 c; great basking, 829, 1 a (ill.). Sea fox, swingle-tail, or thresher, 2 a (ill.). Cestracion, 2 ab. Greenland shark, 2 b; hammer-headed, 830, 1 b (ill.). Fossil remains, 2 a. Shark fisheries, 2 ab. Arctic shark, VIII. 233, 2 c.
- Shark ray*, fish, I. 493, 1 b.
- SHARON**, borough of Pennsylvania, XIV. 830.
- Sharon, plain of*, Palestine, XIII. 5, 2 b.
- SHARON SPRINGS**, New York, XIV. 830.
- SHARP**, Granville, English philanthropist, XIV. 830.
- SHARP**, James, Scottish prelate, XIV. 831. Assassinated, 2 ab.
- SHARP**, John, English prelate, XIV. 831. Thomas, archdeacon, 2 bc.
- SHARPE**, county, XIV. 831.
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- SHASTA**, county, XIV. 831.
- Shasta*, county seat, XIV. 832, 1 a.
- SHASTA**, Mount: see GLACIER, VII. 828, 1 a; ROCKY MOUNTAINS, XIV. 379, 1 b; and SISKIYOU.
- SHASTRA**, or Shaster: see VEDA, XVI. 280, 1 bc.

SHAT-EL-ARAB : see EUPHRATES, VI. 778, 1 a, c, and IX. 823, 2 a.

*Shat'enu* (Hudson river), IX. 30, 2 b.

*Shaving of the beard*, II. 420, 2 b, ff.

SHAW, Lemuel, American jurist, XIV. 832.

On insanity as a defence, X. 716, 1 b.

*Shawangunk mountain* [shoag'-gum], XII. 355, 1 b, 665, 1 b; XVI. 105, 1 c. Geology of, XII. 356, 1 bc; XVI. 123, 2 c. Lead mines of, X. 254, 2 bc.

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*Shawano*, county seat, XIV. 832, 1 c.

SHAWL, garment, XIV. 832.

*Shawl goat*, XV. 704, 2 c (THIBET).

SHAWNEE', county, XIV. 832.

SHAWNEES, Indian tribe, XIV. 832.

*Shawnectown*, county seat, VII. 572, 1 b.

SHAYS, Daniel, American rebel leader, XIV.

833. Shays's rebellion, 1 c; XI. 260, 1 a;

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- TAMBURINI, Pietro, Italian theologian, XV. 563.
- TAMERLANE': see TIMOUR; SAMARCAND, XIV. 589, 1 a, b; IX. 208, 1 ab.
- Tam'esis, Tamcsa*: see THAMES.
- Tamgha*, heraldic sign of Turkish sovereigns, V. 562, 1 a.
- Tamias* (zoölogy), IV. 489, 1 c. T. striatus, ib. (ill.); quadrivittatus, 2 bc; Pallasii, ib.
- TAMILS': see INDIA, Races and Languages of, IX. 215, 1 bc. Tamil language, 219, 2 c; alphabet, 220, 1 ab; grammar, 221, 1 a.
- Tamina, gorge of the* [tā-mē'-na], XIII. 377, 2 b.
- Tammany*: see *Tamanend* (Index).
- Tammuz* (or Thammuz, oriental Adonis, widely worshipped: see Ezek. viii. 14), referred to, XII. 118, 1 c.
- Tamoyas*, S. American Indians, XVI. 41, 1 c.
- Tampa*, county seat, VIII. 729, 1 b. Tampa bay, ib.
- Tampang*, cakes of benzoin, II. 545, 2 ab; currency of the Bataks, ib.
- TAMPICO [tam'-pē'-ko], town of Mexico, XV. 563.
- Tamping*, in blasting rock, II. 699, 1 c. Tamping rod, 2 a. Tamping bar, XIII. 94, 1 bc.
- Tamulians*, people of India, IX. 214, 2 bc; 215, 1 bc.
- Tamuls*, people of India, IX. 215, 1 bc.
- Tanacetum vulgare* (botany), XV. 567, 2 c (ill.).

- TAN'AGER, bird, XV. 563. Scarlet tanager, 2 ab (ill.). Mississippi tanager, or summer red bird, 2 c. Bishop tanager, 564, 1 b. Festivo tanager, *ib*.
- Tanagra* (ornithology), XV. 564, 1 ab. T. episcopus, 1 b.
- Tanagrifera* (ornithology), XV. 563, 1 c.
- Tanaim*, Jewish teachers, VIII. 594, 2 c.
- TAN'AIIS [tan'-a-is]: see DOX.
- TANANARIVO [tá-na-ná'-re-vo], capital of Madagascar, XV. 564.
- Tanquil*, queen of Rome, XV. 572, 2 c; XIV. 785, 1 c.
- Tanchelin* [tán'-kêh-lin], religious fanatic, I. 81, 2 c. (Killed by a priest about 1115.)
- TANCRED, Italian crusader, XV. 564.
- TANEY [taw'-ne], county, XV. 564.
- TANEY, Roger Brooke, American jurist, XV. 565. Dred Scott decision, 1 c.
- TANGANYIKA [tan-ga-nyé'-ka], lake of Africa, XV. 565; I. 167, 1 ab; XII. 447, 2 b.
- Tangena*, poisonous fruit, XII. 675, 1 c; X. 813, 1 bc.
- Tangent*, in mathematics, XV. 865, 2 c.
- Tangent galvanometer*, VII. 594, 2 ab (ill.).
- Tanggalung*, civet, II. 403, 1 c.
- TANGIER [tan-jeer], or Tangiers, city of Morocco, XV. 566.
- TANGIPAHOLA, parish of Louisiana, XV. 566.
- Tangle*, species of algae, I. 299, 1 c.
- Tanistry*, law of, III. 245, 2 a.
- TANJORE', district of India, XV. 566. Capital, 567, 1 a (ill., 566).
- Tanjore pills*, IV. 772, 2 ab.
- Tanjur* [tân-joor'], lamaic work, X. 117, 2 b.
- Tank cars*, for petroleum, XIII. 372, 1 a.
- Tankia*, boat population of Canton, III. 728, 1 c.
- TANNAHILL, Robert, Scottish poet, XV. 567.
- Tannates* (chemistry), VII. 584, 1 b.
- TANNIC ACID, XV. 567; I. 571, 2 a, ab; VII. 577, 2 c, 584, 1 ab; X. 272, 1 b.
- Tannin*: see TANNIC ACID (Index).
- TANNING: see LEATHER, X. 273, 1 bc, ff. Tanning materials, 272, 1 b.
- TANSY, plant, XV. 567 (ill.).
- Tantallon castle*, Scotland, II. 587, 1 a.
- TAN'TALUM: see COLUMBIUM.
- TANTALUS, in Greek mythology, XV. 568.
- Tantulus* (ornithology), XVI. 708, 2 c. T. loculator, 2 b (ill.).
- Tantras*, in Hindoo literature, IX. 229, 1 c.
- Tanzimat*, Turkish board of reforms, I. 2, 1 b.
- Tao [tow], religion of the, in China, IV. 454, 2 b.
- Tao, division of Corea, V. 350, 1 c.
- Taormina* [towr-mé'-na]: see TAORMENIUM, XV. 585, 2 c.
- TAOS [tá'-oece], county, XV. 568.
- Tao-ze* [tow-sá'], Chinese sect, IV. 454, 2 bc.
- Tap, tool, XIV. 712, 2 bc.
- Tap, puddling cinder, IX. 400, 2 ab.
- Tapa* [tá'-pa], bark cloth, XII. 30, 1 a; III. 234, 2 c; II. 314, 1 b.
- Tapajos* [tá-pá'-zhoce], river of Brazil, III. 220, 1 a.
- Tapanooley residency*, Sumatra, II. 379, 2 b; XV. 464, 1 bc (Tapanuli).
- TAPE GRASS: see VALISNERIA, XVI. 249, 1 c.
- TAP'ESTRY, XV. 568.
- TAPEWORM: see ENTOMOA, VI. 663, 2 c. Common tapeworm, 664, 2 c (ills., 664, 665). See EMBRYOLOGY, VI. 566, 1 b, and I. 61, 1 c. Remedy for, XI. 64, 1 a.
- Tapiá edu'lis* (botany), X. 810, 1 bc.
- TAPIO'CA: see CASSAVA, IV. 62, 2 b.
- TA'PIR, ungulate mammal, XV. 568. American, 569, 1 a (ill.); Asiatic, 1 ab.
- Tapirotherium* (zoölogy), X. 635, 1 b.
- Tapirus* (zoölogy), XV. 568, 2 b. T. Americanus, 569, 1 a (ill.); Malayanus, 1 ab.
- Tappahannock*, county seat, VI. 735, 1 c.
- Tappan*, Arthur (1786-1865), merchant and abolitionist, VII. 629, 1 a; XV. 100, 1 a.
- TAPPAN, Henry Philip, American clergyman, XV. 569. On logic, X. 582, 1 c.
- Tappan bay*, on the Hudson, IX. 30, 1 b.
- Tapping*, for dropsy, VI. 266, 2 c.
- Taprob'ane*, Greek name of Ceylon, IV. 221, 2 c.
- Taptee*, river of India, XV. 484, 1 c; IX. 202, 2 b (see map).
- Tapu* [tá-poo']: see *Tuboo* (Index).
- Taquia* [tá-ké'-a], kind of fuel, X. 159, 1 c.
- TAR, XV. 569. Uses of wood tar, 570, 1 a. Tar water, 1 b. Coal tar, *ib*.
- TAR, river of North Carolina, XV. 570.
- Tarabazan'*: see TREBIZOND, XV. 853, 1 bc.
- Tarablus* [tá-rá'-bloos]: see TRIPOLI, in Syria.
- Tar'antism*, nervous affection, XV. 570, 2 c. Tarantism, V. 663, 2 c.
- TARANTO [tá'-ran-to], city of Italy, XV. 570. History, 2 a.
- TARANTO, Duke of: see MACDONALD, X. 778, 1 c.
- TARAN'TULA, spider, XV. 570; 265, 1 c.
- Tarapacá desert*, Peru, XIII. 337, 1 a.
- TARARE [tá-rär], town of France, XV. 571.
- TARASCON [tá-räs-kö'ne], town, France, XV. 571.
- TARBES [tarb], town of France, XV. 571.
- Turboro*, county seat, VI. 404, 1 b.
- TARDIGRADES: see SLOTH.



TARE: see VETCH.

*Tarentine games* [tär'-en-tin], XIV. 746, 2 b.

*Taren'tolu* (zoölogy), VII. 656, 1 c.

*Tarentula*: see TARANTULA.

TARENTUM: see TARANTO, XV. 570, 2 a.

*Target* [tar'-ghet], shield, XIV. 853, 1 c.

*Targovitz, confederation of*, XIII. 647, 2 c.

TARGUMS, Aramaic versions of the Hebrew Scriptures, XV. 571; I. 631, 2 c.

*Tarif* [tä-recf']: see *Turik* (Index).

TARIFA [tä-ré'-fa], town of Spain, XV. 572.

*Tariff*, derivation of the word, XV. 572, 1 ab.

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*Tariffville, Conn.* (Hartford co.), IV. 21, 2 b.

*Tarik (or Tarif) ben Zeyad* [tä-reek' ben zä-yäd'], Saracen leader, VII. 800, 2 c; XV. 572, 1 ab (Tarif ibn Malek).

*Turkhan'*, princely title, XIV. 589, 1 b.

*Tur lake*, in Trinidad, II. 672, 2 ab.

TARLETON, Bannastre, English soldier, XV. 572. "Tarleton's quarter," 1 bc.

TARN, department of France, XV. 572.

TARN-ET-GARONNE [tarn-ä-gä-rün], department of France, XV. 572.

*Taro* [tä-ro], Hawaiian plant, VIII. 526, 2 b.

A species of, VII. 807, 1 b.

*Tarots* [tä-rö], game of cards, III. 783, 1 a.

TARPEIA [tar-pé'-ya], Roman maiden, XV. 572.

Tarpeian rock, 2 bc. Its position, III. 756, 2 a.

TARQUIN, kings of Rome, XV. 572. Lucius Tarquinius Priscus, 2 bc. Lucius Tarquinius Superbus, 573, 1 a; XIV. 785, 2 a, 261, 2 b. Story of Lucretia, XV. 573, 1 b.

*Tarquinius*, ancient city of Etruria, VI. 763, 2 a.

*Tarquinius, Sextus*, XV. 573, 1 b.

*Tarquinius Collatinus*, XV. 573, 1 b; III. 369, 2 c.

*Tarroci'na*: see TERRACINA, XV. 660, 2 c.

*Tar'raco*: see TARRAGONA, XV. 573, 2 b.

*Tarragoni*: see *Terrai* (Index).

TARRAGON, plant, XV. 573; I. 773, 2 c.

TARRAGONA, province of Spain, XV. 573. Capital city, 2 b.

*Tarranscens*, Abeniqui Indians, I. 19, 2 c.

TARRANT, county, XV. 573.

TARRYTOWN, village of New York, XV. 574.

TARSHISH, Phœnician city, XV. 574. Carthaginian trade with, IV. 36, 2 b.

TARSUS, city of Turkey, XV. 574.

*Tartan*, a Scottish fabric, XIV. 700, 2 a.

*Tartan*, Assyrian general-in-chief (title), II. 35, 1 b, 2 c.

TARTAR, XV. 574. Crude tartar, XVI. 666, 2 bc. Soluble tartar, XIII. 763, 1 c.

TARTAR, Cream of: see CREAM OF TARTAR.

TARTAR EMETIC, XV. 574; V. 469, 1 c; I. 565, 2 b. Tartar emetic poisoning, remedy for, 2 c.

*Tartar of the teeth*, XV. 574, 2 b; VI. 105, 1 ab.

TARTARIC ACID, XV. 574; 576, 2 b. Varieties of, 575, 1 c.

*Tartarotti, abbé*, controversy on witches and magicians, III. 791, 1 b.

TARTARS, Mongolian or Turanian race, XV. 575.

TARTARUS, in Grecian mythology, XV. 576; XIII. 623, 1 a.

*Tartarus vitriolatus* (chemistry), XIII. 761, 1 c.

TARTARY, region of Asia, XV. 576. See TURKISTAN, XVI. 66, 1 bc.

*Tartessus* (ancient town and district of S. Spain): see TARTHUS, XV. 574, 1 b, 2 a.

TARTINI, Giuseppe [tar-té'-ne], Italian violinist, XV. 576. Composition of his "Devil's Sonata," VI. 254, 2 b (DREAM).

*Tartrate of potash and soda*: see ROCHELLE SALT.

TARTRATES (chemistry), XV. 576.

*Tartufe*, comedy of Molière, XI. 719, 1 b, c.

TARUDANT', city of Morocco, XV. 577.

*Taruga* [tä-roo'-ga], species of deer, V. 758, 2 a.

*Tarvisium*: see TREVISO, XV. 862, 1 c.

*Tascher de la Pagerie* [tä-shä däh lä päzh-rē]: see BONAPARTE, Josephine, III. 46, 2 a.

TASCHEREAT, Elzéar Alexandre [täsh-rö], Canadian archbishop, XV. 577.

TASCHEREAT, Jules Antoine, French author, XV. 577.

TASHKEND', city of Turkistan, XV. 577.

TASMAN, Abel Janssen, Dutch navigator, XV. 577; VII. 113, 2 a.

TASMANIA, British colony, XV. 577. Island, 2 c; other islands, 578, 1 a. Surface, 1 b. Minerals, 2 a. Climate, 2 ab. Soil and productions, 2 b. Animals, 2 c. Commerce, 579, 1 a. Intercommunication, 1 ab. Aborigines, 1 b. Inhabitants, 1 bc. Religion, 1 c. Education, *ib.* Government, 2 a. History, 2 b. *Tasmanian or native devil*, V. 698, 2 c.

*Tasmanian wolf*, XV. 578, 2 c. See THYLACINE.

TASSAERT, Nicolas François Octave [tä-säär], French painter, XV. 579.

TASSILO, duke of Bavaria, IV. 290, 2 ab; II. 402, 1 a (Thassilo II.; revolted 787).

TASSO, Bernardo, Italian poet, XV. 580.

TASSO, Torquato, Italian poet, XV. 580; IX. 461, 2 a. Source of his materials for the *Gerusalemme liberata*, I. 60, 1 b (ACCOLTI). His supposed prison, VII. 153, 1 c.

TASTE, sense of, XV. 581. Essential condition, 582, 1 b.

*Taste, principles of*: see *ÆSTHETICS*.

"*Taste*" scheme, in philosophy, referred to, XIII. 447, 1 b.

*Tata* [tâ-tâ'], regal title, IX. 731, 2 ab (KAFFA).

*Tatar* [tâ-tar]: see *TARTARS*, XV. 576, 1 b.

*Tatar-Bazarjik*, Turkish town, II. 354, 2 c.

TATE, county, XV. 582.

TATE, Nahum, English poet, XV. 582. Tate and Brady's version of the Psalms, 2 bc; III. 182, 2 c.

TATIAN, ecclesiastical writer, XV. 582. Tatianists, 583, 1 a. Founder of the sect of Aquarians, I. 609, 1 a.

TATIUS, Achilles: see *ACHILLES TATIUS*.

TATNALL, county, XV. 583.

*Tatsam*, in Dravidian languages, IX. 220, 1 c.

TATTA, town of British India, XV. 583.

*Tattersall's*, London, X. 613, 2 bc.

TATTLER, wading bird, XV. 583. Tell-tale tattler, 2 a (ill.); spotted, 2 c.

TAUCHNITZ, Karl Christoph Tranggott [tow'h-nits], German publisher, XV. 584. Karl Christian Philipp, publisher, 1 b. Christian Bernhard, baron, publisher, 1 bc; X. 329, 2 ab. Tauchnitz editions of English classics, XV. 584, 1 c.

TAULER, Johann [tow'-ler], German mystic, XV. 584. His relations to the reformation, VII. 763, 2 c.

TAUNTON [tân'-tun], city of Massachusetts, XV. 584. River, 2 b, c.

TAUNTON, town of England, XV. 585.

*Tauupo* [tow'-po], boiling lake in New Zealand, VII. 784, 2 c.

*Tauric Chersonesus*, III. 113, 1 c.

*Tauric festival*, of the druids, VI. 270, 1 b.

TAURIDA [tow'-re-da], government of Russia, XV. 585.

*Tauris*: see *CRIMEA*, V. 484, 2 c, and *TABRIZ*.

*Tauropcholate of soda*, in the bile, IV. 514, 2 b.

TAUROMENIUM, ancient city of Sicily, XV. 585.

TAURUS, range of mountains, XV. 585.

TAUSIG, Karl [tow'-zih], German pianist, XV. 586.

TAUTOG: see *BLACKFISH*.

*Tautoga Americana* (ichthyology), II. 677, 2 c (ill., 678).

TAVASTEHUTS [tâ-vâs'-têh-hoos], government of Finland, XV. 586. Capital, 1 c.

*Tavasts*, Finnish tribe, VII. 206, 1 c.

*Tavernier* [tâ-vâir-nyâ], prisoner in the Bastille, II. 376, 1 c.

TAVERNIER, Jean Baptiste, French traveller, XV. 586.

*Tawas City* [tâ'-wâs], county seat, IX. 332, 1 a.

*Taxation and representation*, XV. 590, 2 ab.

Taxation without representation, resisted by the American colonies, XVI. 154, 2 b. See OTIS, James, XII. 731, 1 c. First protest against, I. 107, 2 c.

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TAXIDERMY, XV. 590.

*Tâzig*, of the Greek church, III. 257, 1 a.

*Taxodium distichum* (botany), V. 614, 1 c (ill.).

*Taxus* (botany), XVI. 783, 2 c. *T. baccata*, *ib.*, 784, 1 bc (ill.); *brevifolia*, 785, 1 bc; *Lindleyana*, 1 c; *globosa*, *ib.*

TAY, river of Scotland, XV. 591.

TAYGETUS [ta-ij'-e-tus]: see *LACONIA*, X. 83, 2 a.

TAYLOR, six counties, XV. 591.

TAYLOR, Bayard, American author, XV. 591; XVI. 199, 2 a. (Minister to Germany 1878.)

TAYLOR, Brook, English mathematician, XV. 592.

TAYLOR, Edward T., American clergyman (Father Taylor), XV. 592.

TAYLOR, George, a signer of the Declaration of Independence, XV. 592.

TAYLOR, Sir Henry, English poet, XV. 592.

TAYLOR, Isaac, English author, XV. 593. Jeffreys, 1 c. Ann and Jane, *ib.* Isaac, clergyman, 2 a.

TAYLOR, Isidore Séverin Justin, baron, French author, XV. 593.

TAYLOR, Jeremy, English theologian, XV. 593.

TAYLOR, John ("the water poet"), English author, XV. 594.

TAYLOR, John, English minister, XV. 594.

TAYLOR, Nathaniel William, American clergyman and educator, XV. 594; XI. 815, 2 b.

TAYLOR, Richard, English printer, XV. 594.

TAYLOR, Stephen William, American educator, president of Madison university, XV. 594. Benjamin Franklin, author, 2 c.

TAYLOR, Thomas, English scholar, XV. 595.

TAYLOR, Tom, English author, XV. 595.

TAYLOR, William Cooke, Irish author, XV. 595.

TAYLOR, William Mackergo, American clergyman, XV. 595.

**TAYLOR**, Zachary, president of the United States, XV. 595. First recipient of brevet rank in the U. S. army, 2 c. His career in the Mexican war, 596, 1 b, ff. Elected president, 597, 1 a. His sudden death, 2 a.

*Taylor institution*, at Oxford, XII. 763, 2 b.

*Taylor's logarithmic tables*, X. 578, 1 c.

*Taylorville*, county seats, I. 275, 2 bc; IX. 656, 2 b; XV. 257, 2 b.

*Taylorville*, county seat, IV. 524, 1 c.

**TAZEWELL** [táz'-wel], two counties, XV. 597.

*Tazewell*, county seat, IV. 628, 1 a.

*Tazewell Court House*, county seat, XV. 597, 2 b.

**TEHAD**, lake of Africa, XV. 597.

*Tchahar Bagh* [chá-har' bág], pleasure ground at Ispahan, IX. 435, 1 c.

*Tchavdyr* [chav-deer'], ruins at, I. 224, 2 b.

*Tchhel Situn*, palace at Ispahan, IX. 435, 1 c.

*Tchelinga*, chief, I. 55, 1 bc (AÖARNANIA).

*Teheremisses*, Finnish tribe, VII. 207, 1 a.

*Teherkessia*: see CIRCASSIA.

**TOBERNIGOV** [chör'-ne-gov], government of Russia, XV. 598. Capital city, 1 c.

*Tchernovitz*: see CZERNOWITZ.

*Tchernozem*, kind of soil, I. 195, 2 c.

**TEHNATCHEFF**, Petr [che-há-chef'], Russian traveller, XV. 598.

*Tchud or Finnish family* [chood], IX. 566, 2 c. See FINNS, VII. 206, 2 ab.

*Tchudic lake*, XIII. 227, 2 c.

*Tchufut Kalé* [choo-foot' ká-lá'], (Jews' Castle), II. 229, 2 c.

**TEHUKTOHIS** [chook-chees'], native tribe in Siberia, XV. 598; VI. 729, 2 b. In Alaska, XV. 598, 2 ab.

*Tchurashes*, Finnish tribe, VII. 207, 1 ab.

**TEA**, XV. 598. Tea plant, 2 b (ill.). Culture of, 599, 1 c; varieties, 600, 2 a. Adulterations, 2 b; "lie tea," 601, 1 a; tea leaf, 1 c (ill.). Chemical constituents of, 2 a. Preparation of, 2 b. Effects of, 602, 1 a. Substitutes for, 1 bc; 599, 1 b. Importation into Great Britain and the United States, 602, 1 c.—Paraguay tea (Jesuits' tea): see MATÉ.

*Teaberry*, XVI. 674, 2 ab (WINTERGREEN).

*Teache*, in sugar works, XV. 446, 2 a.

**TEACHERS' INSTITUTE**, XV. 602.

**TEAK**, tree, XV. 602 (ill., 603). African teak, 603, 1 bc.

**TEAL**, duck, XV. 603. Green-winged, 2 a (ill.); blue-winged, 2 c.

*Tea party*, Boston, IX. 94, 1 b; XVI. 155, 1 c.

*Tearer*, in calico printing, III. 595, 2 c.

*Tearless battle*, of the Spartans, I. 650, 2 b.

**TEARS**, XV. 604. Lachrymal glands, 1 a; puncta, 1 ab; caruncle, 1 bc.

**TEASEL**, plant, XV. 604 (ills., 605). Metallic, XVI. 719, 2 ab.

*Teaser*, machine, VIII. 344, 1 a.

*Teasing*, of cloth, XV. 605, 1 b.

*Teasling*, of cloth, XV. 605, 1 b; XVI. 719, 1 c.

*Teate Marrueinorum* [te-ā'-te]: see CHIETI.

*Teba*, Countess [tā'-ba], pseudonyme, III. 55, 1 b.

*Tebbad*, kind of wind, II. 798, 1 c.

*Tebriz*: see TABRIZ.

*Teichichimecs* [tā-che-che-mecks'], ancient Mexican tribe, XI. 472, 1 c.

**TECHNOLOGY**, XV. 605.

*Teek*, Prince, III. 646, 2 a.

*Teco'ma* (botany), XVI. 15, 2 c. T. radicans, *ib.* (ill., 16); grandiflora, 16, 1 c; capensis and jasmínoides, *ib.*; stans, 2 a; speciosa, III. 223, 2 ab.

*Tectibranchiata* (mollusca), XI. 723, 1 a.

*Tec'tona grandis* (botany), XV. 602, 2 bc (ill.).

**TECUMSEH**, Indian chief, XV. 605.

*Tecumseh*, county seat, IX. 657, 1 c.

*Teewantha*: see TECUMSEH.

*Teentsin*: see TIENTSIN.

*Tee-tee*, monkey, XI. 751, 2 a.

*Teeter*, bird, XV. 584, 1 a.

**TEETH**, XV. 606. See COMPARATIVE ANATOMY, V. 181, 2 b. Diseases of: see DENTISTRY.

Artificial teeth, *ib.*

*Teeth*, in a clock or watch, IV. 699, 2 c.

*Teez*, ruins of, IV. 271, 1 a.

**TEGEA**, ancient city of Greece, XV. 607.

*Tegetis* [te-je-ā'-tis]: see TEGEA.

*Tegenaria medicinalis* (entomology), XV. 266, 1 b (ill.).

*Tegetthoff* [tā'-ghet-huf], ship, expedition of the, XIII. 656, 1 b; I. 680, 1 c.

*Tegetthoff* (Wilhelm von, baron, born 1827), Austrian admiral, referred to, X. 522, 2 bc.

*Tegmen*, of a plant, XIII. 591, 2 c.

*Tegnapatan'*: see FORT ST. DAVID.

**TEGNÉR**, Esaias [teg-nāir'], Swedish poet, XV. 607.

*Teguxin* [Port. tā-gā-sheec<sup>es</sup>], lizard, X. 551, 2 b.

**TEHAMA**, county, XV. 607.

*Tchama* [tā-hā'-ma], desert in Arabia, XVI. 782, 1 ab; I. 618, 1 a.

**TEHERAN**, or Tehran [tā-hā-rān', tā-h'rān'], capital of Persia, XV. 607 (ill.).

**TEHUANTEPEC** [tā-wán-tā-paik'], isthmus of Mexico, XV. 608. Town, 1 bc. Projected canal, *ib.*; III. 690, 1 b.

**TEIAS** [tē'-yas], Ostrogothic king, IX. 728, 1 ab.

TEJADA, or Lerdo de Tejada, Sebastian [lāir'-dō dā tā-'hā'-dā], president of Mexico, XV. 608.

(Reelected 1876, and expelled by Díaz.)

*Tejo* [tā'-zhō]: see TAGUS.

*Tejus monitor* (zoölogy), X. 551, 2 b.

*Tekamah*, county seat, III. 478, 2 a.

*Telagon*, animal, II. 212, 1 c.

*Telamon*, father of Ajax, I. 225, 1 b.

*Tel-Bustak*, site of Bubastis, III. 374, 2 a.

*Tel'lea Polyphe'mus* (entomology), XV. 45, 1 b.

TELEGRAPH, XV. 608. Signal telegraphs, 2 b.

Electric telegraph, 609, 2 c; XI. 849, 1 c;

IX. 494, 2 bc. Early attempts, XV. 610,

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ing telegraphs, 2 a; House's, *ib.*; Hughes's,

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Time required for transmission, XV. 617,

2 c, 619, 1 ab. Telegraphic disturbance, 1 c.

Various uses of the telegraph, 2 a. Multiple

telegraphy, 620, 2 bc.—Government control

of telegraphs in England, XIII. 749, 2 a.

TELEKY, László [tel'-ēh-ke], Hungarian states-  
man, XV. 621.

*Telegraph*, XV. 609, 1 b (TELEGRAPH).

TELEMACHUS [te-lem'-a-kus], legendary Greek  
prince, XV. 621.

*Télémaque*, *Aventures de* [ā-vâ'-tūr dūh tā-lā-  
mäk], by Fénelon, VII. 123, 2 a; 405, 2 ab;  
II. 302, 1 a.

*Telem'eter*, a graduated scale, IV. 760, 2 c.

TELEOSTEUS, genus of fossils, XV. 621. T.  
Chapmani, 2 c; Cadomensis, 622, 1 ab (ill.).

TELESCOPE, XV. 622. Astronomical, 2 a (ill.).

Terrestrial, 2 b (ill.). Invention of, 2 bc;

Galileo's, 623, 1 b (ill.), VII. 567, 1 b. Im-

provements in lenses, &c., XV. 623, 2 bc, ff.;

prismatic colors, attempts to get rid of, *ib.*,

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telescopes, 2 a. Newton's telescope, 625,

1 ab (ill.); Cassegrain's, 1 c; Hadley's, 2 a;

Herschel's, 2 c (ill.). Object glasses, math-

ematical ratio of, 626, 2 bc. Fraunhofer's

telescopes, 627, 1 bc. Optical glass, mann-

ufacture of, 2 a, ff. Dialytic or separated

telescope, 2 c, I. 66, 1 b; aplanatic, XV.  
628, 1 b; Rosse's, 629, 1 ab. Silvered lenses,  
1 c. Helioscope, 630, 1 a. Telescope stand,  
1 b. Use of telescope in differential mea-  
surements, 2 a; see MICROMETER. Applica-  
tion to meridian instruments: see TRANSIT  
CIRCLE. For photographing the transit of  
Venus, 631, 1 b. Collimating, 240, 1 b. See  
ABERRATION, I. 24, 1 bc, ACHROMATIC LENS,  
and SPECTULUM.

TELFAIR, county, XV. 631.

TELFORD, Thomas, British engineer, XV. 631.

*Telinga*, Hindoo race, IX. 215, 1 c.

TELIOSTS, a class of fishes, XV. 631.

TELL, William, legendary Swiss hero, XV. 631.

See ALTORF, LUCERNE, X. 704, 2 a, and KÜSS-  
NACHT.

*Tell Hum* [hoom]: see CAPERNAUM.

*Tellico*, treaty of, IV. 379, 1 ab.

*Tellograph*, XV. 609, 1 b (TELEGRAPH).

*Tell's chapel*, at Küsnacht, X. 65, 1 ab.

TELL-TALE, bird: see TATTLER.

*Telluric acid*, XV. 633, 1 ab.

*Telluric food*, of plants, I. 195, 1 ab.

TELLURIUM, elementary substance, XV. 632;

XI. 420, 2 bc. Discoverer of, X. 23, 1 a.

*Tellurium*, astronomical machine, XII. 711, 2 a.

*Tellurous acid*, XV. 633, 1 ab.

TELLUS: see TERRA.

*Telo Martius*: see TOULON, XV. 822, 1 ab.

*Teloph'orus* (entomology), II. 476, 2 b.

*Telugu* [tel-oo-goo'], Hindoo race, IX. 215, 1 c.

Language, 219, 2 c; 220, 2 a. Alphabet, *ib.*

*Temaucileahuilia* [tā-ma-kweel-ka-wē'-le-a],  
serpent, II. 762, 2 c.

TEMES [tem'-esh], county of Hungary, XV. 633.

TEMESVÁR, city of Hungary, XV. 633.

TEMISCAMINGUE, Lake [tem-is'-ka-ming]: see  
OTTAWA, XII. 734, 2 a.

TEMISCOCATA [tā-mis-kwá'-ta], county, XV. 633.

*Temminck* (Conrad Jacob, 1778-1858, Dutch  
naturalist), classification of birds by, XII.

705, 2 bc.

*Tem'nodon salta'tor* (ichthyology), II. 757, 2 c  
(ill., 758).

TEM'PE, valley of Greece, XV. 633.

*Temper*, alloy, XIII. 377, 1 a (PEWTER).

TEMPERAMENT, physical and mental, XV. 633.

*Temperament*, of the organ, unequal, XII. 689,  
2 c; equal, 690, 1 ab.

TEMPERANCE SOCIETIES: see TOTAL ABSTINENCE.

*Temperature*, *atmospheric*, II. 83, 1 bc. See  
METEOROLOGY, XI. 433, 1 b, ff. (ills., 436, 437);

RAIN, XIV. 185, 1 c.

TEMPERED GLASS, XV. 634.

*Tempering*, of steel, XV. 364, 2 bc.

*Tempering*, in sugar making, XV. 446, 1 b.

TEMPLARS, military order, XV. 634.

TEMPLE, Frederick, English bishop, XV. 636.

TEMPLE, Richard Grenville, earl, statesman, XV. 636.

TEMPLE, Sir William, statesman, XV. 636.

*Temple, the*, in Paris, X. 663, 2 c.

*Temple, the*, in London, IX. 289, 2 c (ills., 290).

Temple garden, 290, 1 b.

*Temple Bar*, London, X. 594, 1 c. Temple church, 598, 1 b.

*Teneafity*, of materials, XV. 416, 1 a.

*Tennaille line* [tèh-nail'], in fortification, VII. 335, 2 a.

*Tennaillèd system*, VII. 329, 2 c.

*Tenancy by curtesy*, in law, IX. 85, 2 a.

TENANT: see LEASE, and TENURE. Tenant at will, X. 270, 1 a. Tenant on sufferance, 1 b.

TENASSERIM, in British Burmah, XV. 636.

TENCH, fish, XV. 637 (ill.).

TENCIN, Claudine Alexandrine Guérin de [tâs-sâs'], French woman of society, XV. 637; I. 271, 2 a.

*Tene'teri*, ancient German tribe, I. 271, 1 bc.

TENDER, in law, XV. 638.

*Tendo Achillis* (anatomy), XV. 78, 1 a. In club-foot, IV. 718, 2 bc; 719, 1 bc, 2 a.

TENDON (anatomy), XV. 639.

*Ten'ebræ*, office of, VIII. 776, 1 c (HOLY WEEK).

*Tene'brio* (entomology), II. 477, 2 a. T. moliator, XI. 313, 1 ab.

*Tenebrosi* [tā-nā-bro'-ze], school in painting, XII. 799, 2 bc.

TENEDOS, island, Grecian archipelago, XV. 639.

*Tenement*, dominant and servient: see EASEMENT.

TENERANI, Pietro [tā-nā-rā'-ne], Italian sculptor, XV. 639.

*Tenerife* [tā-nā-rē'-fā]: see TENERIFFE.

TENERIFFE [ten-e-rif'], island, Canaries, XV. 640. Peak, 1 b.

*Tenia*, plant, X. 398, 1 a.

TENIERS, David, the elder [ten'-yers], Flemish painter, XV. 640. David, the younger, 2 a.

"*Ten of liberty and peace*," Florentine magistrates, X. 786, 1 bc.

TENNANT, William, Scottish poet, XV. 640.

*Tennantite*, mineral (from Smithson Tennant, F.R.S., 1761-1813, professor of chemistry at Cambridge), XV. 50, 1 c.

TENNMANN, Wilhelm Gottlieb, German historian of philosophy, XV. 640; XIII. 430, 1 b.

TENNENT, Sir James Emerson, British author, XV. 641.

TENNESSEE, state, XV. 641. State seal (ill.), *ib.* Population, 2 bc. Topography, 642, 1 c. Rivers, 2 bc. Geology, 2 c. Minerals, 643, 1 ab. Natural curiosities, 644, 1 c. Climate, 2 ab. Soil, 2 b. Flora, 2 bc. Fauna, 645, 1 a. Agriculture, 1 ab. Manufactures, 2 ab. Banks, 646, 2 a. Intercommunication, *ib.* Government, 1 b. Finances, 647, 1 bc. Public institutions, 2 a. Education, 2 c. Libraries, newspapers, &c., 649, 1 ab. Religious organizations, 1 b. History, 1 bc.

TENNESSEE RIVER, XV. 650.

TENNIS, game of ball, XV. 651.

*Tenno*: see MIKADO, XI. 530, 2 a, and JAPAN, IX. 538, 1 ab, 539, 1 c.

TENNYSON, Alfred, English poet, XV. 651. Frederick, 652, 1 b.

*Tenochtitlan* [tā-noach-te-tlān'], original name of Mexico, II. 176, 1 ab, c; XI. 482, 2 c.

TENOR, in music, XV. 652.

*Tenorio*: see DON JUAN, VI. 211, 1 c.

*Ten'otome*, surgical instrument, IV. 719, 2 c.

*Tenot'omy*, surgical operation, IV. 719, 2 ab; XV. 639, 2 b; XVI. 741, 2 c.

*Ten'pins*, game, III. 168, 1 b, 2 a.

*Tenree*, animal, VIII. 712, 1 c; XI. 292, 1 a.

TENSAS, parish of Louisiana, XV. 652. River (about 250 m. long), XVI. 492, 1 c, 2 a.

*Tensile resistance*, of materials, XV. 416, 1 a.

*Tension*, in sewing machines, XIV. 802, 1 bc. Automatic, 803, 1 a.

*Tenson* [tā-sōs'], poetic combat, XII. 88, 2 b; XIV. 40, 1 c.

TENT, XV. 652 (ills.). Hospital tents, 654, 1 a (ill.).

*Tenterden*, Lord: see ABBOTT, Charles.

*Ten thousand*, retreat of the: see XENOPHON.

*Tenthredin'ide* (entomology), IV. 106, 2 b; XIV. 653, 2 a.

*Tenthre'do cera'si* (entomology), XV. 109, 1 b.

*Tentorium*, Roman tent, XV. 652, 2 b (ill.).

*Tentorium cerebelli* (anatomy), III. 188, 1 b; 190, 1 a.

*Tenuch* [tā-nooch']. Aztec sovereign, II. 176, 1 c.

TENURE, of property, XV. 654.

TEOCAL'LI [Sp. tā-o-kā'-lyē]: see MEXICO, XI. 474, 2 b, and CHOLULA (ill.).

TEOS, ancient Ionian city, XV. 656.

*Totihuacan* [tā-o-te-wā-kān'], pyramids of, I. 397, 2 b.

*Tepanecs*, ancient Mexican race, XI. 472, 1 c.

*Tepeleni* [tā-pā-lá'-ne], town of Albania (pop. about 3,000), I. 310, 2 ab, b.

*Tephillin*, XIII. 477, 2 b (PHYLACTERY).

*Tephrit'is* (entomology), VI. 130, 1 c.

*Tepidarium*, in ancient baths, II. 383, 1 b (ill.).

TEPLITZ, watering place of Bohemia, XV. 656.

*Teploff* (Grigori, died 1779), Russian senator, referred to, IV. 111, 2 b.

TEQUENDAMA, Falls of [tā-kain-dá'-ma]: see BOGOTÁ, II. 782, 2 c.

TERAMO [tā'-ra-mo], province of Italy, XV. 656. Capital, 1 b.

TERATOLOGY, branch of physiology, XV. 656; XI. 764, 2 b.

*Terbia*, an earth, XV. 656, 2 c.

TERBIUM, supposed metal, XV. 656.

TERBUEG, Gerard [tāir'-burg], Dutch painter, XV. 657.

TERCEIRA [tāir-sā'-e-ra], island, Azores, XV. 657.

*Terebenthene*, XVI. 78, 1 a.

*Terebinthus*: see MANICHEANS, XI. 107, 1 a.

*Terebratulula* (brachiopoda), III. 177, 2 c. T. septentrionalis (ill.), *ib.*

TERE'DO: see SHIP WORM, XIV. 870, 2 c; V. 202, 1 c; XI. 722, 1 a. T. navalis, XIV. 871, 1 a (ill.).

TERENCE, Roman comic poet, XV. 657.

*Terepentele*, XVI. 78, 1 ab.

*Teresa*, Saint: see THERESA.

*Teresia*, Mme. [tā-rā'-ze-a], dwarf, VI. 335, 2 c.

*Terfezia* (botany), XVI. 14, 1 a.

*Tergeste*, ancient city, XV. 863, 2 c; 864, 1 c.

*Tergesteum*, edifice in Trieste, XV. 864, 1 a.

TERHUNE, Mary Virginia, American novelist, XV. 657.

*Ter'mes* (entomology), XV. 657, 2 c. T. belliosus (or fatalis), 658, 2 a (ill.); frontalis, 659, 1 a.

TERMINI-IMERESE [tāir'-me-ne-e-mā-rā'-zā], town of Sicily, XV. 657.

*Terminus*, Roman deity, XII. 118, 2 b, bc; 534, 2 b; III. 756, 1 a.

TER'MITES [Lat. ter'-me-teez, plural of *termes*], white ants, XV. 657; I. 169, 1 b.

*Termo*, C. A. [tāir'-mo], nom de plume, III. 309, 2 a.

*Termonde* [tāir-mon'-dēh]: see DENDERMONDE.

TERN, bird, XV. 659. Caspian tern, 1 bc; Cayenne or royal, 1 c (ill.); sooty, 2 ab; Wilson's, 2 bc; arctic, 2 c; black, 660, 1 a. Referred to, VIII. 319, 2 c.

*Ternary compounds, or salts*, XII. 475, 1 a. Constitution of, VII. 597, 2 bc. Ternary hypothesis, XIV. 583, 1 bc.

*Ternary scale of numbers*, I. 708, 1 c.

TERNATE [tāir-nā'-tā]: see MOLUCCAS.

TERNAUX, Guillaume Louis, baron [tāir-nō], French manufacturer, XV. 660. Henri Ternaux-Campans, 1 b. Mortimer, *ib.*

TERNI [tāir'-ne], town of Italy, XV. 660.

TERPAN'DER, Greek musician, XV. 660.

*Terpenes*, XVI. 77, 2 bc (TURPENTINE, Oil of).

TERPSIOHORE [terp-sik'-o-re], muse, XV. 660.

TERRA, Roman deity, XV. 660.

TERRACINA [tāir-ra-chē'-na], town of Italy, XV. 660.

TERRA COTTA, earthenware, XV. 660; XIV. 715, 2 b. Corinthian vases of, V. 354, 2 a.

TERRA DEL FUEGO: see TIERRA DEL FUEGO.

TERRA DI BARI: see BARI.

TERRA DI LAVORO: see CASERTA.

TERRA D'OTRANTO: see LECCE.

*Terrai* [tāir-rī'], pestilential tract in India, VIII. 731, 2 a.

*Terra Japonica*, a vegetable extract, VII. 607, 1 bc; IV. 105, 2 c.

*Terra'*, land breeze in Cuba, VIII. 519, 2 c.

*Terra Lemnia*, medicinal earth, X. 336, 1 a.

*Terra ponderosa*, II. 313, 1 a (BARIUM).

TERRAPIN, land tortoise, XV. 661. Yellow-bellied, 1 c; red-bellied, 2 a (ill.); Florida, 2 ab; chicken, 2 c; salt-water, 662, 1 a.

TERRE BONNE [Fr. tāir būn; usually, tar bone], parish of Louisiana, XV. 662.

TERREBONNE, county of Canada, XV. 662.

TERRE HAUTE [tēr'-re hut; Fr. tāir ote], city of Indiana, XV. 662.

TERRELL, county, XV. 662.

*Terreplein* [tāir-plain'; Fr. -plā's], in fortification, VII. 329, 2 ab. (See plan.)

TERRESTRIAL MAGNETISM: see MAGNETISM, Terrestrial.

*Terre verte* [tāir vāirt], XII. 805, 2 b (PAINTS). "Terrible Tractoration," poem, VII. 157, 1 bc.

TERNIER, dog, XV. 662 (ill.).

*Territion*, in torture, XV. 814, 2 a.

*Territories, western*, early settlement of, VII. 535, 2 a. Surveys of, XV. 491, 1 c.

*Territory of the United States south of the Ohio*, XV. 649, 2 ab.

*Tertian type*, of fever, VII. 164, 2 c. Double tertian, 165, 1 a.

TERTIARIANS, in a monastic order, XV. 663; VI. 200, 2 c; VII. 427, 1 a; XI. 730, 1 c.

*Tertiaries*, in plumage, VII. 105, 2 c.

*Tertiary order*: see TERTIARIANS (Index).

*Tertiary period*, in geology, VII. 697, 2 ab. Fauna and flora of, 698, 1 a.

TERTULLIAN, church father, XV. 663; X. 198, 2 bc. On dreams, VI. 255, 2 a.

TERUEL [tā-roo-ail'], province of Spain, XV. 664. Capital, 1 b.

Tesa: see THEZA.

TESCHEN [tā'-shen], town of Austria, XV. 664. Peace of, *ib*.

Tessa-Zion, learned Abyssinian, VI. 752, 2 a.

Tessel'la, XV. 753, 1 a, ab (TILE).

Tes'sera, in mosaic, XI. 856, 2 a; 857, 1 bc.

TESSIN [Fr. tā-sā'; Ger. tes-seen']: see TICINO.

Testa, of plants, XIII. 591, 2 c.

Test act, in England, IX. 518, 1 ab, c. Repeal of, VI. 139, 2 a.

TESTAMENT: see WILL, and VI. 57, 1 bc. Roman, *ib*.

TESTAMENT, Old and New: see BIBLE (Index).

Testamur, at Oxford, XII. 766, 1 b.

TESTIMONY: see EVIDENCE.

Testing machines, XV. 419, 2 a (ILLS.) (STRENGTH OF MATERIALS).

Test oath cases, in the supreme court, II. 92, 1 a.

Testry, battle of, XIII. 278, 1 b.

Testudinaria elephan'tipes (botany), XV. 813, 2 a (ILL.).

TESTUDINATA, order of reptiles, XV. 664 (ILL.).

Testudini'na (zoölogy), XV. 664, 2 b.

Testu'do, a covering of shields, I. 740, 2 a.

Testudo elephantopus (zoölogy), XV. 813, 1 b.

T. Græca, 1 b; polyphemus, 812, 2 c; nigra, VII. 557, 1 b.

TET'ANUS, disease, XV. 666.

Tetarata [tā-ta-rā'-ta], boiling spring in New Zealand, VII. 784, 2 c.

Tetrabanchia'ta (mollusca), XI. 723, 2 bc.

Tetradactylus Deeresien'sis (zoölogy), XIV. 771, 1 b.

Tetragram'maton, the, X. 846, 2 a (MAGIC).

Tetragonol'epis, fossil fish, VII. 615, 2 a (ILL.).

Tetrahe'drite, mineral, XV. 50, 1 c.

Tetralogy, of the Greek drama, VIII. 213, 2 b.

Tet'rao (ornithology), VIII. 270, 2 a. T. urogallus, 2 ab; hybridus, 2 bc; Canadensis, 2 c; phasianellus, 671, 1 c; eupido, 2 b (ILL.); tetrrix, II. 676, 2 c (ILL.).

Tetra'odon (ichthyology), XIV. 738, 2 a, 739, 1 b; VI. 499, 2 bc. T. electricus, 2 c; turgidus, XIV. 739, 1 b (ILL.).

Tetraon'idæ (ornithology), VIII. 270, 1 c.

Tet'rapla, of Origen, XII. 692, 2 c.

Tetrasc'ope, IX. 735, 2 b (KALEIDOSCOPE).

Tet'ricus, Roman usurper, II. 119, 2 b.

TETUAN [tet-oo-ân' or tet-wân], city of Morocco, XV. 667.

TETZEL, Johann, German monk, XV. 667; X. 726, 2 c.

TEU'CE, king of Troy, XV. 668. Grecian hero, 1 ab.

Teufelsdröckh, Diogenes [toi'-felce-drök], in Carlyle's "Sartor Resartus," III. 797, 2 ab.

Teufelsmühle [-mü-lëh], VIII. 493, 2 c (HARTZ).

TEUFFEL, Wilhelm Sigismund [toi'-fel], German philologist, XV. 668.

Teut [toit]: see TUISCO, and VII. 737, 1 bc.

Teuta, Illyrian queen, IX. 194, 1 a.

TEUTOBURG FOREST [toi'-to-boorg], XV. 668; XVI. 569, 2 b.

TEUTON'IC KNIGHTS, religious and military order, XV. 668; XIII. 644, 2 c. Founder of, VII. 451, 2 ab.

Teutonic languages: see GERMANIC RACES AND LANGUAGES.

Teutonic society, referred to, XIV. 596, 2 b.

TEUTONS, ancient German race, XV. 669; VII. 737, 1 ab, 2 b.

Tevere [tā'-vā-rā], river: see TIBER.

TEWKESBURY, town of England, XV. 669.

Texan'a, county seat, IX. 483, 1 b.

TEXAS, state, XV. 669. State seal (ILL.), *ib*.

Population, 670, 1 a. Topography, 2 a. Coast, 2 c. Rivers, 671, 1 ab. Geology and minerals, 2 a. Climate, 2 c. Soil, 672, 1 c. Fauna and flora, 2 a. Agriculture, 2 c. Manufactures, 673, 1 b. Commerce, 2 b. Banks, 2 c. Intercommunication, *ib*. Government, 674, 1 bc. Finances, 675, 1 a. Public institutions, 1 c. Education, 2 a. Libraries, newspapers, &c., 676, 1 b. Religious organizations, *ib*. History, 1 c. Annexation of, 678, 2 b. See HOUSTON, Sam, and IX. 837, 2 a.

TEXAS, county, XV. 679.

TEXEL, island, Netherlands, XV. 679.

TEXIER, Charles Félix Marie [tā-se-ā], French archaeologist, XV. 680.

Textilaria globulosa (ILL.), VII. 311, 2 a (FORAMINIFERA).

Teyde, peak of [tā'-e-dā]: see TENERIFFE.

Tezcatlipoca [tess-kā-tle-po'-ka], Mexican divinity, I. 397, 1 a (twice).

TEZCUCO [tess-koo'-ko], town of Mexico, XV. 680. Kingdom of, XI. 472, 2 a.

Tezel [tā'-tsel]: see TETZEL.

THACH'ER, James, American physician, XV. 680.

THACHER, Peter, American clergyman, XV. 680.

THACKERAY, William Makepeace, English author, XV. 680. Anne Isabella, authoress, 681, 1 b.

- Thackrah*, on coagulation of the blood, II. 734, 1 b, c.
- THAER, Albrecht [táir], German agricultural writer, XV. 681.
- Thai*, the [t'hi or ti], Indo-Chinese race, IX. 253, 2 ab.
- THA'IS, Athenian courtesan, XV. 681.
- Thais* (entomology), III. 498, 1 b.
- Thakombau*, king of the Feejee Islands, VII. 113, 2 ab.
- Thakoors*, Rajpoots, IX. 214, 1 a.
- Thalassid'roma* (ornithology), XIII. 365, 2 a. T. pelagica, 2 b (ill.).
- Thalassiochelys caouana* [tha-las-sok'-e-lis kâ-wá'-na], (zoölogy), XVI. 80, 2 a.
- THALBERG, Sigismond [tál'-báirg], Swiss pianist, XV. 681; XII. 93, 2 c. Zaire, XV. 682, 1 a.
- THALER [tá'-ler], coin, XV. 682.
- THA'LES, Greek philosopher, XV. 682. His idea of the figure of the earth, VI. 354, 2 c.
- THALI'A, muse, XV. 682.
- THALLIUM, metal, XV. 682.
- Thallo*, one of the Horæ, VIII. 816, 1 c.
- Thallogens*, in botany, X. 408, 1 c.
- Thalious oxide*, XV. 682, 2 b.
- Thallus*, of a lichen, X. 408, 1 c.
- THAMES [tainz], river of Connecticut, XV. 682.
- THAMES, river of Canada, XV. 682. Battle of the Thames, 683, 1 a; IX. 663, 1 ab.
- THAMES [temz], river of England, XV. 683. Bridges, X. 592, 1 ab. River quays, or Thames embankments, 1 c. Tunnel, 616, 1 c. Subway, 617, 1 b.
- Thames ballast*, V. 208, 2 c.
- THAN, Móricz [tán], Hungarian painter, XV. 683.
- Thanes*, Anglo-Saxon landholders, I. 499, 2 b.
- THAN'ET, Isle of, England, XV. 683.
- THANKSGIVING DAY, religious festival, XV. 683. National: during the revolution, 684, 1 ab; on the adoption of the constitution, 1 b; for peace (1815), *ib.*; during the civil war, 1 c; annual since that time, *ib.*
- Thargel* (Tidal of the Bible), VI. 485, 2 a; IV. 230, 2 ab.
- THASOS, island, Grecian archipelago, XV. 684.
- Thassilo II.* [tás'-se-lo]: see *Tassilo* (Index).
- That*ch, roofing, XIV. 420, 1 a.
- Thatched House tavern*, London, I. 340, 1 c.
- THATCHER, Benjamin Bussey, American author, XV. 684.
- Thaumale'a* (ornithology), XIII. 384, 2 b. T. picta, *ib.* (ill., 385).
- Thaumaturgist*, IX. 707, 1 a. Thaumaturgy, 1 ab. "*Thaumaturgus of Britain*," V. 595, 1 b.
- Thayendanega*: see BRANT, Joseph.
- THAYER, county, XV. 684.
- The'a* (botany), XV. 598, 2 b, c.
- Theans*, class of Hindoos, XI. 47, 2 ab.
- THEATINES [the'-a-tinz], religious order, XV. 684; IV. 421, 2 c.
- THEATRE, XV. 685. Greek, 1 c. Roman, 686, 1 a. Largest ancient, 1 b. Of the middle ages, 1 c. Of England, 2 a. Of America, 2 c. Largest theatres, 687, 1 c (table). Chinese, 2 a.
- Thebæ*: see THEBES.
- Theba'ic version of the Scriptures*, V. 333, 1 c.
- Thebaina* [theb-a-i'-na], alkaloid, XII. 650, 1 a.
- THEBAIS [theb'-a-is], Egypt, XV. 687.
- THEBES, in Egypt, XV. 687. Ruins of, 2 c; at Gurna, 688, 1 a; at Medinet-Abu, 1 b; at Luxor, 2 a (ill.); at Karnak, 689, 1 a (ill.).
- THEBES, in Greece, XV. 689. Expedition of the "seven against Thebes," I. 131, 1 a.
- Thebes*, county seat, I. 275, 2 c.
- Thecal abscess*, XVI. 609, 2 c. Treatment, *ib.*
- The Dalles* [dälz], county seat, XVI. 468, 2 c.
- THEFT: see LARCENY. "Theft or piracy" in marine insurance, IX. 318, 2 ab.
- THEINE [the'-in]: see CAFFEINE, and TEA, XV. 601, 2 a.
- THEINER, Augustin [ti'-ner], German historian, XV. 689. Johann Anton, theologian, 690, 2 a.
- THEISS [tice], river of Hungary, XV. 690.
- Thekla* [tek'-la], pseudonym, VI. 331, 1 a.
- THELWALL, John, English author, XV. 690.
- THEMIS, in Greek mythology, XV. 691.
- Themistius*, heretic, I. 188, 2 c.
- THEMISTOCLES [the-mis'-to-kleez], Athenian general, XV. 691.
- THÉNARD, Louis Jacques, baron [tā-nar], French chemist, XV. 691. His investigations and discoveries in chemistry, IV. 367, 1 ab, b.
- THEOBALD, Lewis, English author, XV. 692.
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- Theobromine* [the-o-bro'-ruin], IV. 789, 2 ab.
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- THEOCRITUS, Greek poet, XV. 692.
- Theocritus*, modern: see MELI.
- Theodatus*, Byzantine, IX. 726, 2 c.
- Theodatus*, king of the Ostrogoths, I. 374, 1 a; IX. 727, 2 c, 728, 2 a.
- THEODOLITE, surveying instrument, XV. 692 (ill.).
- THEODORA: see JUSTINIAN, IX. 727, 2 ab, and II. 243, 2 c.



**THEODORE**, King: see **ABYSSINIA**, I. 46, 2 b.  
*Theodore I.*, king of Corsica: see **NEUHOF**.  
*Theodore Lascaris*, emperor of Nicea, I. 292, 2 c. See **LASCARIS**, X. 179, 1 a, and **NICE**, XII. 427, 2 c.  
**THEOD'ORET**, Syrian theologian, XV. 693.  
**THEOD'ORIC**, the Great, king of the Ostrogoths, XV. 693. Referred to, I. 238, 2 a.  
*Theodoric the Visigoth*, referred to, I. 155, 2 b (twice); VIII. 126, 1 c.  
*Theodorus of Samos*, ancient cameo engraver, III. 651, 2 c.  
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*Theodosia*, Roman station, VI. 309, 1 b.  
*Theodosiopolis*: see **ERZERUM**, VI. 722, 2 c.  
**THEODOSIUS**, Roman general, XV. 693.  
**THEODOSIUS I.**, the Great, Roman emperor, XV. 694; I. 385, 1 a (**AMBROSE**).  
*Theodosius II.*, Byzantine emperor, III. 513, 2 b; IV. 622, 1 c; V. 7, 1 b. Porphyry's work, "Against the Christians," destroyed by his order, XIII. 719, 2 b.  
*Theodosius III.*, I. 458, 1 c; III. 515, 1 b.  
*Theodosius*, Saint (abbot at Kiev, author of extant sermons, died about 1080), catacombs of, IX. 830, 1 b.  
**THEOGNIS**, Greek poet, XV. 694.  
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*Theoph'ilus*, Byzantine emperor, III. 515, 2 b.  
*Theophilus*, patriarch of Alexandria (385-412), I. 291, 2 c.  
**THEOPHRASTUS**, Greek philosopher, XV. 695. His work on botany, III. 131, 2 ab, c; on minerals, XI. 588, 2 c.  
*Theophrontius*, ancient sectary, I. 188, 2 c.  
**THEOPH'YLACT**, Simocatta, Byzantine historian, XV. 696.  
**THEOPHYLACT**, Greek theologian, XV. 696.  
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*Theotas*, Saxon slaves, I. 499, 2 c.  
**Thera**, island of Greece, XV. 696; VI. 676, 1 b. A variety of wine, VIII. 217, 1 a.  
**THERAMENES** [the-ram'-e-neez], Athenian political leader, XV. 696.  
*Therapeutæ*, of Egypt (Jewish sect), I. 467, 1 c.

**THERESA**, Saint [têb-res'-sa or te-rô'-sa], Spanish mystical writer, XV. 696.  
*Theresa*, Saint, of New France: see **MARY OF THE INCARNATION**.  
*Theresians*, religious order, XV. 697, 1 a.  
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*Ther'iaea*, medical preparations, XII. 647, 1 ab.  
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*Thermæ Himerenses*: see **TERMINI-IMERESE**.  
*Thermæ Scelinuntæ*: see **SCIACCA**.  
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*Thermal rays*, visible, ratio of to the total number, XVI. 91, 2 c.  
*Thermal springs*, XVI. 499, 1 a. Indifferent, XI. 594, 2 c.  
*Thermal unit*, XV. 327, 1 c.  
*Thermes*, palais des [pâ-lâ dâ tâirm], Paris, XIII. 89, 1 c.  
*Thermidor*, revolution of [tâir-me-dor], IV. 436, 1 bc. See **FRANCE**, VII. 389, 2 b; **ROBESPIERRE**, XIV. 359, 2 a.  
*Thermodynamic unit*, V. 378, 2 c.  
**THERMO-ELECTRICITY**, XV. 697 (ill.). Thermoelectric pile, or battery, 698, 1 a (ill.); Farmer's, II. 667, 1 bc.  
*Thermography*, XIV. 428, 2 c.  
**THERMOMETER**, XV. 698. Mercurial, 699, 1 a. Construction of, 1 b. Fahrenheit, Réaumur, and centigrade thermometers, 2 a (ill.). Self-recording, 700, 1 a (ills.). Differential, 2 a. —Air thermometer, Jolly's, XIV. 111, 2 ab (ill.). Deep-sea thermometer, II. 74, 1 c; Six's, *ib.*; Saxton's, 2 a; Miller-Casella, *ib.*; Wet-bulb, IX. 133, 1 c.  
**THERMOP'YLÆ**, XV. 700. Polyandrium, 701, 1 a. French Thermopylæ, so called, I. 697, 1 c.  
*Thermostat*, of the automatic fire alarm, XV. 620, 1 c.  
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*These'um*, temple at Athens, II. 60, 2 c (ill.); XV. 701, 2 b.  
**THESEUS** [thé'-suce], legendary hero, XV. 701.  
**THES'IGER**, Sir Frederick: see **CHELMSFORD**.  
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*Thesmoth'etia*, of Athens, I. 667, 1 a.  
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*Three-handed game*, in billiards, II. 642, 2 c.

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*Three sisters*, rivers of Ireland, II. 340, 1 b.

"Three towns," *the*, XIII. 624, 2 c (PLYMOUTH).

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*Thronateeska*: see FLINT RIVER.

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*Throstle*, XV. 728, 2 b (TURSH).

*Throstle machine*, in cotton spinning, V. 414, 1 c.

*Throwing*, in pugilism, XIV. 76, 2 c.

*Throwing*, in silk manufacture, XV. 42, 1 a. Of pottery, XIII. 787, 2 c.

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THRUSH, bird, XV. 727. Wood thrush, 728, 1 a (ill.); missel, 1 c; song, 2 b (ill.); brown, or thrasher, 729, 1 a (ill., 728); water, 1 b. European thrush, XII. 745, 1 b. Golden-crowned, 2 a.

*Thryoth'orus Ludovieia'nus* (ornithology), XVI. 735, 1 c.

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*Thucydides*, Greek statesman, XIII. 292, 2 a.

*Thul geyser*, Wyoming, VII. 786, 1 c (ill.).

*Thuggee*: see THUGS.

THUGS, sect of assassins, XV. 729.

*Thuisco* [too-is'-ko]: see TUISCO.

*Thuja* (botany), I. 638, 1 b; XI. 839, 2 b (T. articulata). Referred to, X. 401, 1 c; T.

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*Thumb*, Gen. Tom, dwarf, VI. 336, 1 bc.

THUN [toon], town of Switzerland, XV. 730. Lake, 1 b.

THUNBERG, Carl Peter [toon'-bäirg], Swedish botanist, XV. 730.

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*Thunder bay*, in Lake Huron, IX. 78, 2 b.

*Thunderer*, *the*, epithet of Jupiter, IX. 718, 2 c.

*Thunderer*, *the*, sobriquet of the London Times, V. 767, 2 bc (DELANE).

*Thundering legion*, Roman, I. 574, 2 c.

*Thunder snake*, IV. 225, 2 b.

*Thunder stone*, II. 485, 1 bc (BELEMNITES).

THURGAU [toor'-gow], Swiss canton, XV. 730.

*Thurible*, IV. 190, 2 c (CENSER).

*Thurgau* [too'-re-gow], XV. 529, 2 a (SWITZERLAND).

*Thüringen* [tü'-ring-en]: see THURINGIA.

THURINGIA, region of Germany, XV. 730. Thüringian Forest, 2 c.

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*Thuro*, in Phœnician mythology, XII. 118, 1 c.

*Thurr* [t'hür or tür], desert in India, IX. 200, 2 b.

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*Thysel'da*, wife of Arminius, I. 729, 2 b; 730, 1 a.

*Thy'amis*, river of Epirus, IX. 526, 1 ab.

*Thyati'ra*: see AKHISSAR.

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*Thylac'i'nus* (zoology), XV. 731, 2 b. T. Har-rissii, 732, 1 a (ill., 731).

*Thylacotherium* (palæontology), XV. 732, 1 b; XII. 111, 1 b.

*Thymallus* (ichthyology), VIII. 181, 1 bc. T. vulgaris, 1 b; vexillifer and gymnothorax, 2 ab; signifer, 2 c (ill.).

THYME [time], plant, XV. 732. Wild or creeping, 1 c (ill.); garden, *ib*.; lemon, 2 a.

*Thymic asthma*, V. 518, 2 bc.

*Thymus* (botany), XV. 732, 1 c. T. serpyllum, *ib*. (ill.); vulgaris, 1 c, XI. 174, 2 c; citriodor-us, XV. 732, 2 b.

THYMUS GLAND (anatomy), XV. 732 (ill.).

*Thynnus* (ichthyology), XVI. 39, 2 bc. *T. vulgatus*, 2 c; *secundo-dorsalis*, 40, 1 a (ill.); *pelamys*, III. 68, 1 a (ill.).

*Thyra*, Danish princess, betrothed of Prince Arthur of England, IV. 529, 1 c.

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*Thyrosternum Pennsylvanicum* (zoology), XV. 811, 1 b.

*Thyrus*, Bacchanalian wand, II. 193, 2 a.

TIAGUANACO [te-a-gwá'-na-ko]: see TITICACA, and I. 399, 2 a, ff.; X. 159, 1 a.

*Tiahuanaco*: see TIAGUANACO (Index).

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*Tiars*, a class of Hindoos, XI. 47, 2 ab, bc.

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*Tibareni*, ancient people, IX. 566, 2 c.

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*Tiberis*: see TIBER.

TIBERIUS, emperor of Rome, XV. 734.

*Tiberius Apsimerus*, usurper, IX. 728, 2 a.

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*Tibials*, in plumage, VII. 105, 2 c.

*Tibia utricularis*, bagpipe, II. 217, 1 a.

*Tibiscus*: see THEISS.

TIBULLUS, Albius, Roman poet, XV. 735; IX. 195, 2 c.

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*Tical* [té'-cal], Siamese coin, XV. 12, 2 a.

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TICINO [te-che'-no], canton of Switzerland, XV. 736. River, 2 c.

*Ticinum*, ancient city, XIII. 194, 1 b, 2 c.

*Ticinus*, river, XV. 736, 2 c. Battle of the, IV. 142, 2 bc; VIII. 442, 2 c.

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TICKELL, Thomas, English poet, XV. 737.

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TICONDEROGA, town of New York, XV. 737. Fort, 2 c. Capture of, by Allen, 738, 1 b; I. 328, 2 c. Ruins of, VII. 713, 1 a.

*Tic polonga*, snake, IX. 204, 1 c.

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- TLAXCALA** [tláx-ká'-la], state and city of Mexico, XV. 776. Republic, 2 c; V. 385, 2 c.
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- Tocuyo* [to-koo'-yo], cotton cloth, III. 15, 1 ab.
- Ton**, James, English soldier, XV. 786.
- Toda*, tribe in India, IX. 215, 2 bc; XII. 218, 1 bc.
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- TODD**, James Henthorne, Irish antiquary, XV. 787. See **BREHON LAWS**.
- TODD**, John, American clergyman, XV. 787.
- TODD**, Robert Bentley, British physiologist, XV. 787.
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- TODLEBEN**, Franz Eduard [tote'-jä-ben], Russian military engineer, XV. 788. (Commander-in-chief in Turkey 1878.)
- Toende* [tön'-déh], Danish acre, I. 72, 2 c.
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- Togluk* [to-glook'], dynasty of, in India, IX. 207, 2 c.
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- TO'KIO**, capital of Japan, XV. 788; X. 13, 2 c. Fires in, V. 237, 1 b.
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"*Tomb of the Revolution*," in the catacombs of Paris, IV. 96, 1 c. "*Tomb of Victims*," *ib.*

*Tomboro, Mt.*, volcano, XV. 466, 2 a.

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*Tom-o'-Bedlams*, Bedlam beggars, II. 450, 1 a.

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*Toms River*, county seat, XII. 573, 1 a.

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*Tom Thumb, Gen.*, dwarf, II. 324, 1 b.

*Tomtit*, bird, XV. 775, 1 c.

*Tom'yris*, queen of the Massagetæ, XI. 261, 1 a; V. 621, 2 b.

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*Tonbridge*: see TUNBRIDGE.

TONE, Theobald Wolfe, Irish revolutionist, XV. 794. William Theobald Wolfe, 2 b.

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*Tonga Islands*: see FRIENDLY ISLANDS.

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*Tonometer*, Scheibler's, XV. 177, 1 bc.

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*Tonsillitis*, XV. 796, 2 b. See QUIXSY.

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*Toothache tree*, XIII. 830, 1 c.

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*TO'RONTÁL*, county of Hungary, XV. 800.  
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*TOULMIN*, Joshua, English clergyman, XV. 821.

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*TOURAINÉ*, old province of France, XV. 823.

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*TOURCOING* [toor-kwä<sup>ne</sup>], town of France, XV. 823.

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*TOURNAY*, town of Belgium, XV. 824.

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*Touro*, Judah, Jewish philanthropist (1775-1854, merchant of New Orleans, born in Newport), XII. 327, 2 a; 330, 1 bc; IX. 617, 2 c.

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*Trimúrti* [tre-moor'-te], Hindoo trinity, IX. 228, 2 bc; 229, 2 a.

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TRINOMALEE, town of Ceylon, XV. 868.

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*Trinity house*, board of merchants, London (incorporated in 1515), X. 221, 1 bc.

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*Trivium and quadrivium*, of the middle ages, IV. 66, 1 c; V. 670, 1 ab. Of the early Irish monasteries, VI. 412, 1 c.

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*Tro'ad*, the (*Troas*), XVI. 9, 2 bc.

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*Trolling*, I. 498, 1 c (ANGLING).

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*Trollope*, *Capt. Sir Henry*, the last English banneret, II. 287, 2 b.

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**YOUNG**, Brigham, Mormon ruler, XVI. 795; XI. 834, 2 a, 836, 1 b, ff. (Died 1877.)  
**YOUNG**, Charles Augustus, American astronomer, XVI. 795. His observation of a solar explosion, XV. 473, 2 c (ills.); of solar spectrum, 475, 1 a, 2 bc.  
**YOUNG**, Edward, English poet, XVI. 796; VI. 640, 1 ab.

YOUNG, Thomas, English physicist, XVI. 796.  
His theory of interference of light, X. 436, 2 b; 442, 1 c; 443, 2 b.  
*Young Europe*, political association: see MAZZINI, XI. 308, 1 b.  
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*Young's modulus of elasticity*, VI. 489, 1 a.  
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*Young territory*: see TEXAS, XV. 669, 2 c.  
*Youth, period of*, I. 181, 1 a.  
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YPRES [cepr'], city of Belgium, XVI. 798.  
YPSILANTI, city of Michigan, XVI. 798.  
YPSILANTI, or Ypsilantis, Greek family, XVI. 798. Athanasius, 1 c. Alexander, *ib.*; referred to, I. 283, 2 bc. Constantine, XVI. 798, 1 c. Alexander (2d), 2 a. Demetrius, 2 b. Prince Gregory Ypsilanti, 2 c.  
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YRIARTE, Juan de, Spanish scholar, XVI. 799. Tomas de, author, 1 b.  
Ysano [e-sā'-no], plant, XII. 155, 2 a.  
Yssel [i'-sel], river, XII. 243, 1 a.  
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YTTRIUM, metal, XVI. 799.  
YUBA [yoo'-ba], county, XVI. 799.  
Yuba City, county seat, XV. 495, 2 c.  
*Yucca plant*, use of in paper making, X. 475, 2 ab.

YUCATAN [yoo-ka-tan'], peninsula of Mexico, XVI. 799. Ancient remains, 800, 1 ab. History, 1 c.  
YUCATAN, state of Mexico, XVI. 800.  
*Yugas*, era of the Jains, IX. 508, 1 bc.  
*Yugyakarta*: see JOKJOKERTA.  
YUKON RIVER: see ALASKA, I. 240, 2 b.  
*Yulan*, tree (magnolia), XI. 20, 2 c.  
YULE, Henry, English author, XVI. 800.  
*Yule log, or Christmas block*, IV. 551, 2 b.  
YUMA [yoo'-ma], county, XVI. 800.  
Yuma, county seat, XVI. 801, 1 a.  
*Yunala, Yumara*, Finnish deity, VII. 206, 1 bc.  
YUMAS, American Indians, XVI. 801.  
*Yumula*: see *Yumala* (Index).  
*Yuncas* [yoon'-kās], people of Peru, XIII. 341, 2 b; XIV. 150, 2 a.  
YUNNAN', province of China, XVI. 801. English expeditions to, 2 b.  
*Yunx torquilla* (ornithology), XVI. 741, 1 c (ill.).  
*Yusuf* [yoo'-soof], (Joseph), son of Abdul-Aziz, I. 16, 2 a.  
*Yusuf I.*, king of Granada (1333-'54), referred to, I. 310, 1 a.  
*Yusuf el-Ferī*, emir, I. 14, 2 a.  
*Yusuf ibn Tashfyn*, founder of Morocco, and of the Almoravide dynasty in Spain, I. 345, 2 bc.  
YVERDUN, or Yverdon [e-vāir-dū<sup>re</sup>, -dō<sup>re</sup>], town of Switzerland, XVI. 801.  
YVON, Adolphe [e-vō<sup>re</sup>], French painter, XVI. 801.

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ZACAPA [sā-kā'-pa], town of Guatemala, XVI. 802.  
ZACATECAS [sā-ka-tā'-kās], state of Mexico, XVI. 802. Capital city, 2 b.  
*Zaccaria* [dzāk-ka-rē'-a], a founder of the Bar-nabites, II. 318, 2 c.  
ZACH, Franz [tsā'h], German astronomer, XVI. 802. Baron Anton, 2 c.  
*Zachariah*: see ZECHARIAH.  
"Zachary Boyd's Bible," III. 172, 1 ab.  
*Zachos steno-phonotype reporter*, XVI. 96, 2 b.  
ZACYNTHUS: see ZANTE.  
*Zadhurmuz* [zād-hoor'-mooz], leader of a Manichæan sect, XI. 108, 1 c.

ZAFFRE: see COBALT, IV. 767, 1 c.  
ZAGAZIG, town of Egypt, XVI. 802.  
ZAGOS'KIN, Mikhail, Russian author, XVI. 803.  
*Zagreus Dionysus* [zā'-gruce], in the Orphic cosmogony, XII. 711, 1 b.  
ZA'GROS, mountain range, XVI. 803; XIII. 315, 1 a.  
ZAHN, Johann Karl Wilhelm [tsān], German architect and painter, XVI. 803.  
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ZALA [zol'-aw], county of Hungary, XVI. 803.  
*Zalaea, battle of* [thā-lā'-ka], I. 345, 2 c.  
ZALEUCUS, Loerian lawgiver, XVI. 803.  
ZA'MA, town of Numidia, XVI. 803. Battle of, VIII. 444, 1 ab.  
ZAMACOIS, Eduardo [thā-ma-ko'-eece or -koi's], Spanish painter, XVI. 803.

- Zamarra* [thâ-mâr'-ra], death costume of victims of the inquisition, IX. 295, 1 b.
- ZAMBESI* [zam-bâ'-ze], river of Africa, XVI. 803; I. 166, 1 c.
- Zambos*, half-breeds, XII. 424, 1 ab.
- ZAMOJSKI*, Jan [zâ-moi'-ske], Polish statesman, XVI. 804. Andrzej, count, statesman, 1 c.
- ZAMORA* [thâ-mo'-ra], province of Spain, XVI. 804. Capital city, 2 b.
- Zamora* [sâ-mo'-ra], original name of Maracaybo, XI. 142, 1 c. (Present name of the former state of Barinas, Venezuela.)
- ZAMORA*, Antonio de, Spanish dramatist, XVI. 804.
- Zamorin*, rajah of Calicut, VII. 605, 1 a, c.
- Zamoyiski*: see *ZAMOJSKI*.
- ZAMPIERI* [dzâm-pyâ'-re]: see *DOMENICHINO*.
- ZANOLE* [zan'-klê]: see *MESSINA*, XI. 418, 1 bc; VIII. 733, 2 c.
- ZANESVILLE*, city of Ohio, XVI. 804.
- ZANGUEBAR*: see *ZANZIBAR*.
- Zanta*, lake of, XIV. 725, 1 b.
- ZAN'TE*, Grecian nomarchy, XVI. 805. Island, 1 c. "Zante currants," *ib.* Capital city, 2 a.
- Zany*, harlequin, VIII. 463, 1 c.
- ZANZIBAR*, country of Africa, XVI. 805. Island, 806, 1 b. City, 1 c.
- ZAPATA* [sâ-pâ'-ta], county, XVI. 806.
- ZÁPOLYA* [zâ'-po-lyaw]: see *HUNGARY*, IX. 57, 2 a, ab; *AUSTRIA*, II. 144, 1 b; *FERDINAND*, VII. 132, 2 b.
- Zaporogians*, Cossack tribe, V. 391, 2 a.
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- Zarias'pe*, capital of Bactria, II. 208, 1 bc.
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- ZAVALA* [sâ-vâ'-la], county, XVI. 807.
- Zax*: see *SLATE*, XV. 88, 1 c.
- Zaylah*: see *ZEILAH*.
- ZE'A*, island of Greece, XVI. 807.
- ZEALAND*, province of the Netherlands, XVI. 807.
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- ZEBRA*, animal, XVI. 807 (ill.).
- ZEBU*, Indian ox, XVI. 808 (ill.).
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- Zebulon*, county seat, XIII. 511, 1 c.
- ZEBULON*, son of Jacob, XVI. 808.
- ZACHARIAH*, Hebrew prophet, XVI. 808.
- ZEDEKIAH*: see *HERREWS*, VIII. 589, 2 b.
- ZEELAND* [zâ'-lând]: see *ZEALAND*.
- ZEILAH* [zâ'-lá], Egyptian seaport, XVI. 808.
- ZEISBERGER*, David [tsice'-bâir-gher], Moravian missionary, XVI. 809.
- ZERTZ* [tsites], town of Prussia, XVI. 809.
- ZELLE*: see *CELLER*.
- ZELLER*, Eduard [tsel'-ler], German scholar, XVI. 809.
- ZELLER*, Jules Silvain [zel'-lâir], French historian, XVI. 809.
- ZELTER*, Karl Friedrich [tsel'-ter], German composer, XVI. 810.
- Zemaun*, sovereign of Afghanistan, I. 161, 1 a; VIII. 675, 1 a.
- Zem'indary*, a land revenue system in India, IX. 205, 2 c. *Zemindars*, landholders, *ib.*; II. 525, 1 c.
- ZEMPLÉN*, or *Zemplin* [zem'-plain, -pleen], county of Hungary, XVI. 810.
- Zem-zem*, holy well: see *MECCA*, and I. 6, 2 c.
- Zenai'da* (ornithology), XIII. 506, 1 c. *Z. amabilis*, *ib.*
- ZENAIDA DOVE*: see *PIGEON*, XIII. 506, 1 c.
- Zenaidura Carolinensis* (ornithology), XVI. 82, 1 c (ill.).
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- ZENITH*, XVI. 811. *Zenith sector*, VI. 356, 2 a.
- ZENO*, of Elea, Greek philosopher, XVI. 811; XIII. 437, 1 b.
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- ZENO*, emperor of the East, XVI. 811.
- ZENO*, Apostolo [dzâ'-no], Italian poet, XVI. 812.
- ZENO*, Nicolò and Antonio, Italian navigators, XVI. 812.
- ZENOBI*, Septimia, queen of Palmyra, XVI. 812; XIII. 28, 1 c. See *AURELIAN*, II. 119, 2 ab.
- ZEOLITE*, mineral, XVI. 813; XV. 39, 1 c.
- ZEPHANIAH*, Hebrew prophet, XVI. 813.
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- Zerah*, of Scripture, VI. 749, 2 ab.
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- ZERBST* [tsâirpst], town of Germany, XVI. 813.
- Zerda*, African animal, VII. 131, 1 c.
- Zereides*, Moorish dynasty, I. 304, 1 c.

*Zerhazy* [zäir'-há-ze]: see *ESTERHÁZY*.

*Zeta*, early name of Montenegro, XI. 780, 1 c.

*ZETLAND*: see *SHETLAND ISLANDS*.

*ZETTERSTEDT*, Johan Wilhelm, Swedish naturalist, XVI. 813.

*ZETTINIE*, or *Zettinje*: see *CETTIGNE*.

*Zeugitana*, ancient district, Africa, XVI. 31, 1 c.

*ZEULODON*, fossil animal, XVI. 813.

*ZEUS* [zuze]: see *JUPITER*. *Zeus Ammon*, I. 426, 1 c. *Zeus Canobus*, III. 720, 1 ab.

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*Zeus Panhellenius*, temple of, I. 140, 2 c.

*ZEUXIS*, Greek painter, XVI. 814.

*Zeuzeradæ* (entomology), XI. 869, 2 ab.

*ZHITOMIR* [zhe-tó'-mer], town of Russia, XVI. 814.

*Zho*, hybrid animal, X. 88, 2 b.

*ZHUKOFFSKI*, Vasili, Russian poet, XVI. 815.

*Zhukovsky*, I. 284, 1 a. See *ZHUKOFFSKI*.

*Zhupan*, Servian chief, XIV. 781, 2 b.

*Ziani*, *Sebastiano* [dze-á'-ne], doge of Venice, VI. 182, 2 ab. Marriage of the Adriatic instituted by him, 2 b; III. 376, 2 ab.

*Zianides* [ze-an'-idz], dynasty of Fez, I. 304, 1 c.

*ZIBETHI*: see *CIVET*, IV. 617, 2 b.

*ZIDON*: see *SIDON*.

*ZIEM*, Félix [zyä'ne], French painter, XVI. 815.

*ZIETHEN*, Hans Ernst Karl, count [tsë'-ten], Prussian soldier, XVI. 815.

*ZIETHEN*, Hans Joachim von, Prussian soldier, XVI. 815.

*Zimmermann* [tsim'-mer-mán], chemist, on coagulation of blood, II. 733, 2 c; on the presence of ammonia, 734, 1 a.

*ZIMMERMANN*, Albert, German painter, XVI. 815.

*ZIMMERMANN*, Clemens von, painter, XVI. 815.

*ZIMMERMANN*, Johann Georg von, Swiss physician and author, XVI. 815.

*Zinc*, metal, XVI. 816. Alloys of, 817, 1 b. Uses of, 1 c. Compounds, 2 bc; butter of, 818, 1 a. History, 2 bc. Metallurgy, 820, 1 b; manufacture of, 1 c; Hasenclever furnace, 821, 1 b (ill.); English method, 822, 1 b; Silesian and Belgian, 1 c; Belgian furnace, 823, 2 a (ill.); in the United States, 824, 1 bc. Zinc white, or oxide of zinc, 826, 1 a; formation of, XIV. 584, 2 bc. Chloride of, use as a disinfectant, VI. 134, 1 bc; in arresting dry rot in timber, *ib.*, and XIII. 825, 1 bc.

*Zincic acetate*, XVI. 818, 2 bc; chloride, 1 a; sulphate, 1 c.

*Zincite*, ore, XVI. 820, 1 bc.

*ZINGARELLI*, Nicolò, Italian composer, XVI. 826.

*Zingian dialect* (African), I. 171, 1 bc.

*Zin'giber officinale* (botany), VII. 814, 1 c (ill.).

*ZINGIE KHAN*: see *GENGHIS KHAN*.

*Zinguebar*: see *ZANZIBAR*.

*ZINNIA*, genus of plants, XVI. 826. *Z. elegans*, 827, 1 a (ills.). Other species, 2 a.

*ZINZENDORF*, Nikolaus Ludwig, count [tsin'-tsen-dorf], Moravian bishop, XVI. 827.

Count Christian Renatus, 828, 1 bc.

*ZION*, Mount, XVI. 828.

*Zipa* [së'-pa], Muysca title, XII. 107, 2 ab.

*ZIPS* [tsips], county of Hungary, XVI. 828.

*Zircon*, mineral, V. 538, 2 c. See *ZIRCONIUM*.

*Zirconia*, XVI. 829, 1 b (*ZIRCONIUM*).

*ZIRCONIUM*, metal, XVI. 828.

*ZISKA*, John, Hussite military leader, XVI. 829.

*ZITTAU* [tsit'-tow], town of Saxony, XVI. 830.

*Ziu* [tsë'-oo], Swabian god, XII. 120, 1 c.

*Zizania aquatica* (botany), XIV. 310, 1 b (ill.). *Z. miliacea*, 2 b.

*Zizim* [ze-zeem'], brother of Bajazet II., II. 101, 1 a; 227, 2 b.

*Zizka*: see *ZISKA*.

*Zizyphus* (botany), IX. 709, 1 b. *Z. vulgaris*, *ib.* (ill.); *jujuba*, 2 b; *lotus*, *ib.*; *Baclei*, *ib.*

*Zlaam*, class of Druses, VI. 274, 2 a.

*ZNAYM* [tsnime], city of Moravia, XVI. 830.

*Zoantho'ria*, I. 74, 2 a (*ACTINIA*).

*ZOAR*, village of Ohio, XVI. 830. *Zoar society*, 2 b; XV. 140, 2 b.

*Zo'ar*, village of Palestine, X. 645, 2 ab.

*Zoar'cees* (ichthyology), II. 710, 2 ab. *Z. viviparus* and *anguillaris*, 2 b.

*ZODIAC* (astronomy), XVI. 830.

*Zodiac of Denderah*, VI. 7, 2 a; X. 373, 2 c. Of Esne, *ib.*; VI. 728, 1 a.

*ZODIACAL LIGHT*, XVI. 831.

*Zoë'a*, young crab, V. 449, 1 a. *Zoëa stage*, *ib.*

*Zoëga*, Georg [zo-ä'-ga], Danish antiquary, XVI. 832.

*Zohak*, castle of, ruins, II. 262, 2 b.

*Zohrab*, Armenian Biblical scholar, I. 727, 1 c.

*Zo'klus*, ancient critic, XVI. 833.

*Zollern*: see *HOUENZOLLERN*.

*ZOLLVEREIN* [tsul'-fer-inc], German customs union, XVI. 833; VII. 748, 1 c, 754, 2 c, 755, 2 b, 758, 1 b, 759, 1 c.

*ZÓLYOM* [zo'-lyom], county of Hungary, XVI. 833.

*ZOMNOR*, city of Hungary, XVI. 833.

*ZONARAS*, Joannes, Byzantine historian, XVI. 833.

*ZONE*, geographical, XVI. 834.

- Zonotrichia* [zo-no-trik'-e-a], (ornithology), VII. 191, 2 b. *Z. graminea*, 2 bc; Lincolnii, 192, 1 a (ill.); leucophrys, XV. 229, 1 bc (ill.).
- Zoögraphy* [zo-og'-ra-fe], a description of animals, I. 510, 2 c.
- Zoölogy*, scientific study of the animal kingdom, XVI. 834; I. 510, 2 c.
- ZOOLOS*, South African nation, XVI. 834 (ill., III. 546); XII. 156, 1 c.
- Zoönomý*, comparative physiology, I. 510, 2 c.
- Zoöph'ytá helianthoi'dea*, I. 74, 2 a (ACTINIA).
- Zo'öPHYTES* (zoölogy), XVI. 834; I. 510, 1 b; V. 339, 2 a; XIII. 689, 1 c.
- Zoöspore*, spore of algæ, I. 300, 1 c.
- Zoöthome*, V. 339, 2 a (CORAL).
- Zoötomý*, comparative anatomy, I. 510, 2 c.
- Zorndorf* [tsorn'-dorf], (village near Küstrin), battle of, VII. 457, 1 b.
- ZOROASTER* [zo-ro-as'-ter], founder of the ancient Persian religion, XVI. 834; IX. 346, 1 c, 2 a. Modern followers of: see GUEBRES, and PARSEES. Zoroastrian literature: see ZEND-AVESTA.
- ZORRILLA Y MORAL*, José [thore-ré'-lyá e mor-ál], Spanish poet, XVI. 835.
- ZOS'IMUS*, Greek historian, XVI. 835.
- Zos'tera* (botany), XVI. 733, 1 b. *Z. nana*, 1 c; *marina*, 1 a (ill.), III. 733, 1 bc; *vallisneria*, *ib.*
- ZOUAVES* [zwävz], in the French army, XVI. 835. In the United States army, 2 bc.
- Zozo'ro*, plant, X. 810, 1 b.
- ZRINYI*, Miklós, count [zrin'-ye], Hungarian soldier, XVI. 835.
- ZSCHOKKE*, Johann Heinrich Daniel [tshük'-këh], German author, XVI. 836.
- ZUCCARELLI*, Francesco [dzook-ka-rel'-le], Italian painter, XVI. 836.
- ZUCCARO*, Taddeo [dzook-ká'-ro], Italian painter, XVI. 836. Federico, painter, 2 c.
- ZUG* [tsoog or tsoo'h], Swiss canton, XVI. 837. Lake of, 1 b. Capital, 1 c. Derivation of the name, XV. 529, 1 b.
- ZUIDER ZEE*: see ZUYDER ZEE.
- ZUINGLIUS*: see ZWINGLI.
- Zulu dialect* [zoo-loo'], I. 171, 1 c. See ZOOLOS.
- ZUMBUSCH*, Kaspar [tsoom'-boosh], German sculptor, XVI. 837.
- ZUMPT*, Karl Gottlob [tsoompt], German scholar, XVI. 837. August Wilhelm, 2 ab.
- ZUÑIGA*: see ERCILLA Y ZUÑIGA.
- Zunu breed of sheep* [zoo-noo'], XIV. 837, 2 b.
- ZUNZ*, Leopold [tsoonts], German Hebraist, XVI. 837.
- ZURBARAN*, Francisco [thoor-bâ-rân], Spanish painter, XVI. 837.
- ZÜRICH* [zu'-rik; Ger. tsü'-rifh], Swiss canton, XVI. 838. Capital city, 1 c. Derivation of the name, XV. 529, 1 b.
- ZÜRICH*, Lake of, XVI. 838.
- ZURITA*, Gerónimo [thoo'-re-ta], Spanish historian, XVI. 838; XV. 221, 1 c.
- ZUT'PHEN*, city of the Netherlands, XVI. 839. Battle of, 1 b.
- Zutugil nation* [thoo-too'-heel'], referred to, XIV. 149, 2 bc.
- ZUYDER ZEE* [zoi'-der zā], bay or gulf of Holland, XVI. 839.
- Zuzims*, VIII. 816, 2 b (HORITES).
- ZWEIFÜCKEN* [tswi'-brük-ken], city of Bavaria, XVI. 839. County, 2 c; duchy, *ib.*
- ZWICKAU* [tswik'-kow], city of Saxony, XVI. 840.
- ZWINGLI*, Ulric or Huldreich [tswin'-glē], Swiss reformer and patriot, XVI. 840. His view of the sacrament, X. 639, 1 b.
- ZWIRNER*, Ernst Friedrich [tsweer'-ner], German architect, XVI. 843.
- ZWOLLE* [zwöl'-lēh], city of the Netherlands, XVI. 843.
- Zygæ'na* (ichthyology), XIV. 830, 1 b. *Z. malleus*, *ib.* (ill.).
- Zygænidæ* (ichthyology), XIV. 830, 1 a.
- Zygapoph'ysis* (anatomy), XIII. 424, 2 c (ill.).
- Zygne'ma* (botany), XIII. 574, 1 b (ill.).
- Zygob'atis* (ichthyology), XIV. 223, 1 c.
- ZYMO'SIS*, in pathology, XVI. 843.
- Zymot'ic diseases*, VII. 165, 2 c; XV. 152, 1 c. See ZYMOSIS.









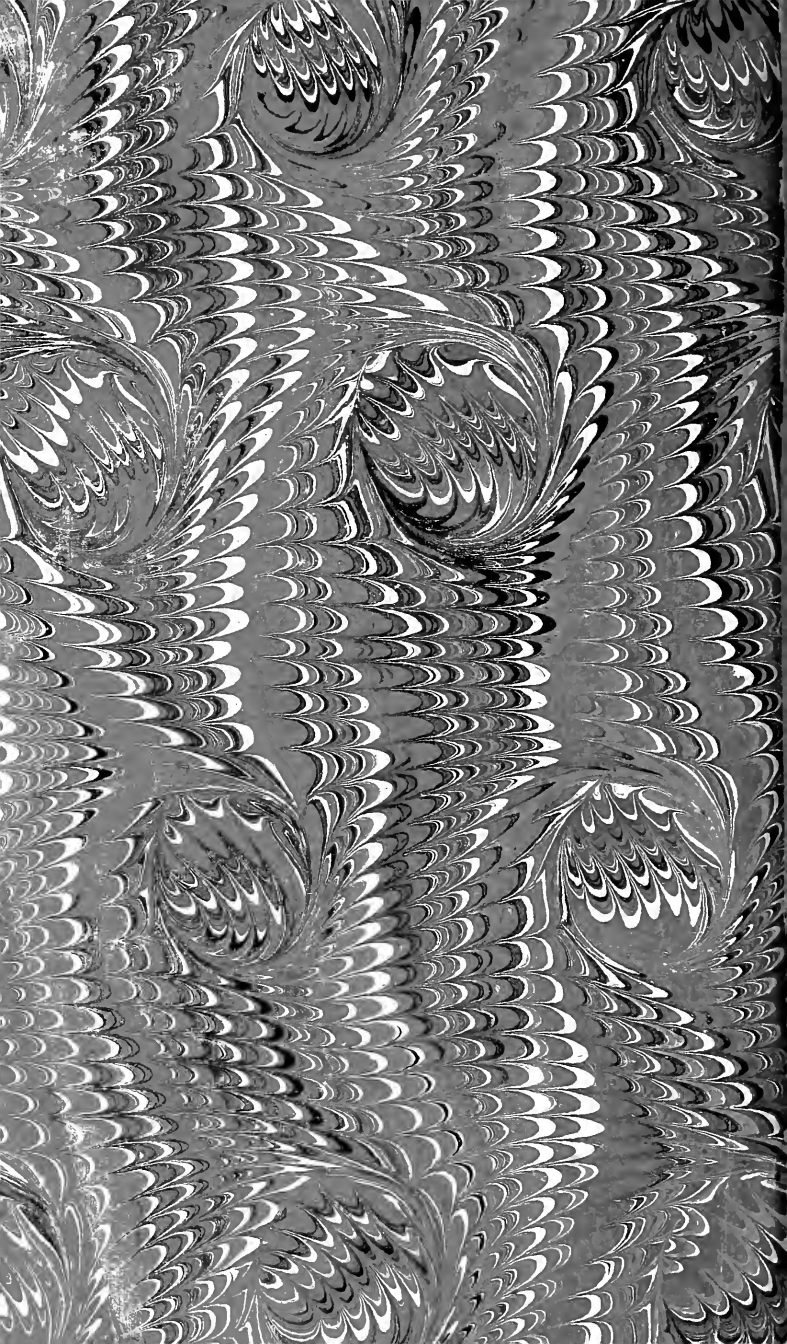


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